

The CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 2944
VOL. CXXV

JULY 11, 1936

Annual Subscription (with
Diary) 20/-. Single Copies 9d.



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**THE INDISPENSABLE
DISPENSING SERVICE**

THE special U.G.B. process of Sterilizing by passing every single bottle through boiling distilled water and drying in super-heated filtered air has proved a boon to the busy dispenser.

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CAP**

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SCREW
CAP**

**PLAIN
CORK
MOUTH**

U G B
WASHED & STERILIZED MEDICALS
READY FOR USE

THE PERFECT PAIR Cap & Bottle Manufactured **by U.G.B.**

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FRE-FIELD

"The Aspirin that has
set a new standard"

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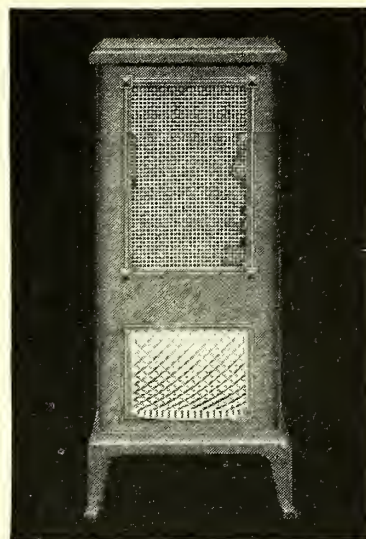
WRIGHT'S GAS RADIATORS

KEEP your premises pleasantly warm. An atmosphere of comfort puts your customer in the right frame of mind for buying and helps your staff to attend to business in a cheerful contented manner.

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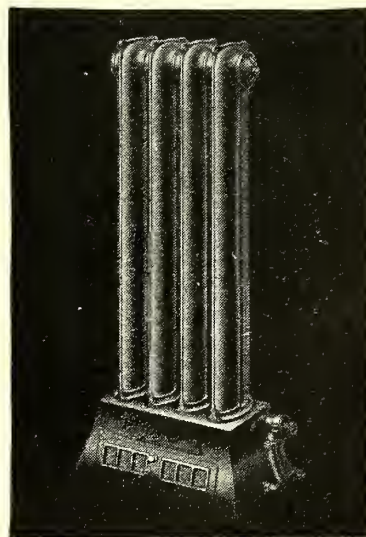
Progressive pharmacies all over the country have installed Wright's Gas Radiators.

Illustrated lists of Wright's Gas Radiators will be sent on request to "C.D." Dept.



The "CONSOLE"

The attractive lines of the "Console" together with the wide choice of colour finishes, make it the most suitable radiator for business premises. It is made in six sizes, giving a choice of three heights and two widths.



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is one of the most popular of Wright's "Loop" type radiators. These are fitted with the 'Regulo' automatic control, maintaining an even temperature and ensuring that only a minimum of gas is used. Obtainable in various designs.

JOHN WRIGHT & CO., LTD., ESSEX WORKS, ASTON, BIRMINGHAM, 6

Radiation



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Imagine! All Town will be there... and thousands of provincial visitors too! What an opportunity to place your goods before a vast audience who will be in an entirely favourable receptive frame of mind!

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You cannot afford to be out of the Fair. Such an opportunity of meeting old customers and making new ones comes so seldom. But you must hurry! Space is almost completely booked. Don't let this golden opportunity slip through your fingers... write now to the Exhibition Manager, 33 Gt. Queen Street, London, W.C.2. 'Phone Holborn 6515.



HAIR & BEAUTY FAIR

OLYMPIA SEPT. 22 - OCT. 1
(Empire Hall)



One of the most attractive show-stands we have produced attracts your customers to this well-known product. The old bakelite jars are now replaced by new coloured glass jars in black, blue and green with silver caps, an unusually attractive pack. Also in one ounce tubes.



Collosol

ZINC CREAM



Another of the Summer bonus lines. Available to retailers at particularly advantageous terms.

Write for the Summer bonus leaflet and full particulars.

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Telegrams :- Collosols, Harles, London.

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GREEN EXTRACTS

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Viride B.P. 1898

Ext. Belladonnæ

Siccum B.P.

Ext. Hyoscyami.

Siccum B.P.

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Viride B.P. 1898

Ext. Hyoscyami.

Viride First Year

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COWPER STREET, FINSBURY, E.C. 2



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JUST A TACTFUL WORD FROM YOU!



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THE SURE
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30TH

Packings :

4 tablets - 1s. 6d.
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ORDER FROM US
We invoice through
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188/192 HIGH HOLBORN
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ON YOUR PROMISE TO DISPLAY **WE GIVE THIRTEEN TO THE DOZEN!**

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The Public will have
MOORLAND
 BRAND
INDIGESTION TABLETS

● Continuous advertising
 ● Continuous demand
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Are you keeping up a continuous display?

However many times you dress your window, it will pay you to keep Moorland Tablets well to the fore every time. No competitive line enjoys such tremendous customer-satisfaction as Moorlands. Their reputation is unrivalled and grows bigger and bigger through constant recommendation. Then there is the support of nation-wide publicity: vigorous, convincing advertising which keeps the sales curve of new business constantly upward.

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The average net sale of the Daily Express for the month of June was 2,126,451 copies per day. This is the biggest daily net sale ever achieved by any newspaper either at home or abroad. The supremacy of the Daily Express over all other daily newspapers is clear and absolute.

We have examined the books and accounts of The London Express Newspaper Limited and certify that the average net daily sales of the "Daily Express" at the recognised trade terms or published prices (as defined by, and arrived at in accordance with the instructions of the Audit Bureau of Circulations Limited) during the six months from 1st January, 1936, to 30th June, 1936, were as follows:—

1936		Average number of copies per day
January	...	1,974,298
February	...	1,954,095
March	...	2,022,679
April	...	2,075,231
May	...	2,091,397
June	...	2,126,451

DELOITTE, PLENDER, GRIFFITHS & CO.
Chartered Accountants

July 3rd, 1936.

DAILY EXPRESS

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Pills and Tablets
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Analytical and Qualified
Chemists

ONE OF OUR
LARGE
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MACHINES

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SPECIAL
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Coated
or
Uncoated
Bulk
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OF OUR
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ENGLISH OIL OF LAVENDER — CAMOMILE PEPPERMINT

From plants grown on our own farms



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CHLOROPHYLL



POWDERED DRUGS

Solid and Liquid Medicinal Preparations
Medicinal Spirits in bond for Export



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LAVANDULA VERA

William Ransom & Son

ESTABLISHED 1846

LTD.

Manufacturing Chemists

HITCHIN Near LONDON

SURE SIGNS OF A SUCCESSFUL SELLER

- Sales up 104% this year!
- Sold on money-back guarantee. Nufix quality supreme—No gum, no permeating grease.
- Still further increased heavy Advertising from July. New attractive show material ready shortly.

Closing date July 31st. Still time to earn big profits from the
NUFIX WINDOW DRESSING CONTEST
 (over £250 in cash and other prizes)

NUFIX

THE TONIC HAIRDRESSING

Manufactured by Walden & Co. (Nufix) Ltd., Nufix Works, London, N.W.9



Dr. Page-Barker's GUARANTEED Scurf Lotion

The recognised specific for
SCURF and DANDRUFF

Sells on its reputation to those who know,
 and on its guarantee to those who don't.

per 18/- doz.

BONUS of Three bottles
 with every 3 dozen

Also Special Large
 Size :—

24/- doz., Retail 3/6

Smart Show matter

2/6

A GUARANTEE
 with every bottle

THOS. CHRISTY & CO., LTD.

—4-12 Old Swan Lane, London, E.C.





PEOPLE WHO NEVER START THINGS NEVER FINISH ANYTHING

It is not sufficient to admit the existence of better goods. And making up your mind that you will stock them gets you nowhere.

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MAKE A
START WITH
SPENCER'S
HANDKER-
CHIEF PUFFS
—THEY SELL
AND SELL

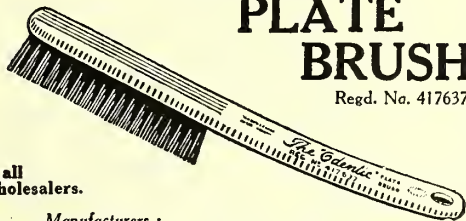
SPENCER BROS.

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Coty Announces A NEW BEAUTY MILK *prepared with* **'AVOCADO' OIL**

Tell your customers of this wonderful new Coty discovery. Years of research have revealed the fact that the oil of the Avocado Pear is one of the richest known skin foods. In addition it has the advantage of a high penetrating quality which carries its beneficial properties right to the under tissues of the skin. It stimulates and nourishes a tired complexion to a degree which was not thought possible before. Now Coty, after intensive study, have been able to incorporate 'Avocado' Oil, together with many other valuable ingredients, in this remarkable new Beauty Milk.

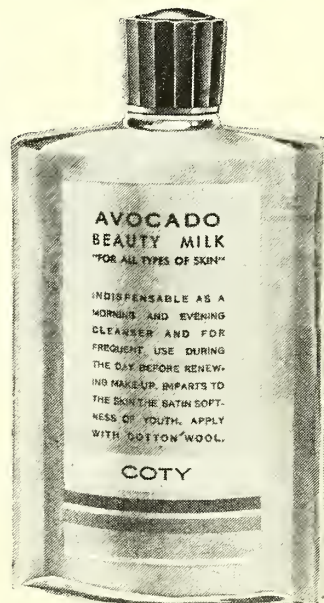
The perfect cleanser

A little Beauty Milk, patted into the skin every night and when necessary during the day, will cleanse away all traces of powder, cream and rouge, not only from the surface of the skin, but what is far more important, from the tiniest pores as well.

RETAIL PRICE

4/6

Serial No. 1426



Coty (England) Ltd., Coty House, 3 Stratford Place, London, W.1



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RETAINS YOUR CUSTOMERS FIRMLY IN POSITION!

THE FINEST DENTURE FIXATIVE YET
MARKETED

DENFIX

MADE BY

ROBERT BLACKIE,

TOWER BRIDGE ROAD,
LONDON, S.E.1

AND — SPUN OINTMENTS — OF COURSE

NOW BRITISH MADE

WAGNER'S DRY BOTTLE CAPS

BEST IN QUALITY & APPEARANCE

Self-Fixing

R. V. WAGNER

33 BROOKE ST., LONDON, E.C.1 Tel. Holborn 5090

SPECIALISTS IN THE MANUFACTURE OF
SOLUBLE MEDICINAL CAPSULES

BULK OR PACKED



PHONE
356

Helensburgh

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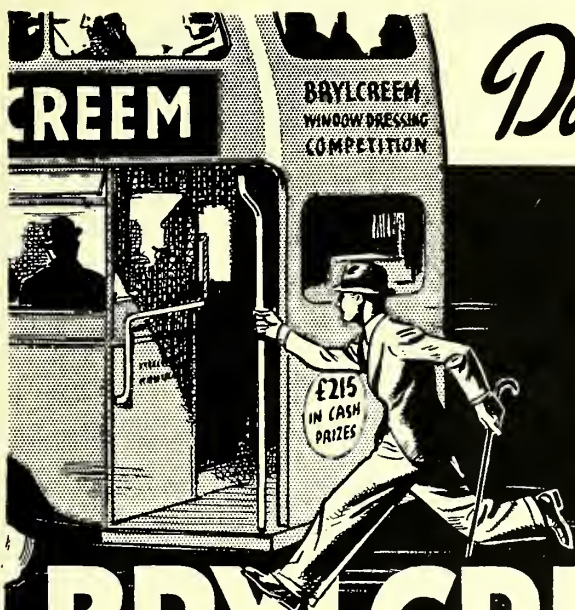
(Established 1908)

*An Illustrated Monthly Review of the
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The regular publication (in English and Spanish as well as in French) of technical and practical articles on Essential Oils and Synthetic Perfumery Products is a feature of this popular Trade Journal.

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There's still time to
WIN THAT
£65 WITH A
BRYLCREEM WINDOW

WIN OR LOSE

Heavy Press Advertising

will make your entry
well worth while

Hurry! There are only a few days left in which to enter the great BRYLCREEM Window Dressing Competition. A 10/6 Bonus Parcel is sent FREE to every entrant. And you stand to win £65, £25 or £10 (the first three prizes), or one of the twelve

£2.2.0 Parcels—all reserved exclusively for Chemists. Moreover, your display will be supported by the biggest Press Advertising Scheme ever undertaken for a Hair Dressing.

If you've not yet received your BRYLCREEM Competition Folder, please write for a copy at once. It tells you all you want to know. And don't forget that you'll need more BRYLCREEM and more showcards.

*Biggest Prize money
ever offered—*

£215

IN CASH PRIZES

1st ... £65

2nd .. £25

3rd .. £10

12 parcels value £2.2 each

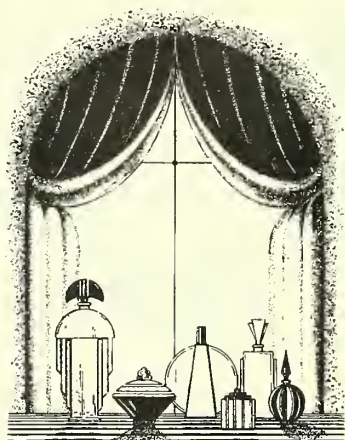
10/6 Bonus Parcels to
Every Entrant

Urgent—

**WINDOWS MUST BE DRESSED
BY JULY 20th TO QUALIFY**

BRYLCREEM and County Products **WINDOW DRESSING COMPETITION**

**THE COUNTY PERFUMERY CO., NORTH CIRCULAR ROAD
WEST TWYFORD :: LONDON, N.W.10**



*Designers & Makers
of
Quality Glassware
for
Perfumery.*

ESTABLISHED 1828

**WOOD BROS. GLASS CO.
LIMITED**

BARNLEY

ENGLAND

SUMMER DAYS BRING INCREASED DEMAND

- HOLIDAYS
 - CRUISES
 - TOURING, etc.
- all mean more sales of

'DAWN'

Regd.

RAVEL PROOF FACE CLOTHS

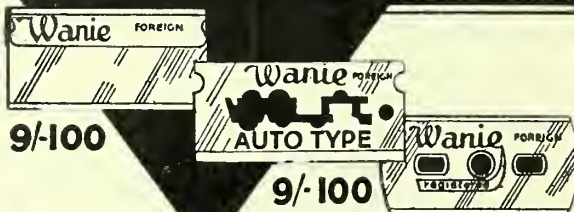
A face cloth worth selling. Each wrapped separately in transparent paper ready to hand over. "Dawn" never get "Slimy" or ravel. Beautiful range of delicate colours. Retail at 6d. and show good margin. In this attractive counter display outer containing 1 dozen assorted colours, from your usual wholesaler.



Jacques Fabrics Ltd

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WANIE

8/- GROSS

The Blade for Every Razor!

Send for Samples to Dept. C.D.

**LONDON & PROVINCIAL
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146 THEOBALDS ROAD, W.C.1

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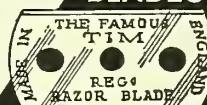
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Enquiries from Irish Free State Invited.

Wholesalers are invited to apply for Trade Terms.

TIM

HAND
HONED



3/6

GROSS

**BRITISH
BLADES**



ATTRACTIVE NEW HARLENE Showcards FREE UPON REQUEST

The striking Harlene Display Cards illustrated here will serve a double purpose. They will increase your sales of these popular lines and they cannot fail to add an extra attraction to the window or counter, for they are really artistic and of unusual merit and colour harmony.

ABOVE Stand-up Showcard 10½ ins. × 15 ins. for "Harlene" Hair Grower and Tonic, in five colours: red, orange, blue, black, and silver.

RIGHT Stand-up Showcard 15 ins. × 10½ ins. for "Harlene" Hair Cream, in four colours: green, silver, black, and orange.



HARLENE Hair Grower & Tonic

HARLENE HAIR CREAM

CREMEX SHAMPOO

UZON BRILLIANTINE

HARLENE WAVE-SETTING
LOTION

HARLENE CAMOMILE

GOLDEN HAIR WASH

HARLENE CAMOMILE
SHAMPOO

ASTOL HAIR COLOUR
RESTORER

HARLENE
Soapless, Brushless
SHAVING CREAM

"Harlene" Preparations are ever-increasing in popularity. Backed by a wide and extensive National Advertising Campaign, their supreme merit and effectiveness, keep them always in constant demand.

Send a postcard for Showcards, Price List and Terms to:

EDWARDS HARLENE LIMITED,
20-26 LAMB'S CONDUIT STREET, LONDON, W.C.1.



THREE OF THE BEATSON CLARK RANGE

Beatson, Clark SCREW CAP BOTTLES

One of the important points about screw neck bottles for use with moulded caps is accuracy in the threaded portion. Unless there is an absolutely correct fit here, trouble will result.

We take especial care in this respect, so that you can depend upon the fit of every cap on every bottle.

For instance, on the over and under thread diameters we only allow a 1/200 part of an inch from our standard.

These are the little points which distinguish Beatson, Clark products.

Stocks of all sizes in each series are maintained and consequently we are able to give immediate attention to orders.

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Manufacturers of Chemical & Medical Glass

ROTHERHAM, YORKS

ESTABLISHED 1751

BOTTLES OF ALL KINDS

TABLETS • POISONS • VIALS
ASPIRIN TUBES • IODINE
BOTTLES & PENCILS • DROP
BOTTLES • POTS etc.

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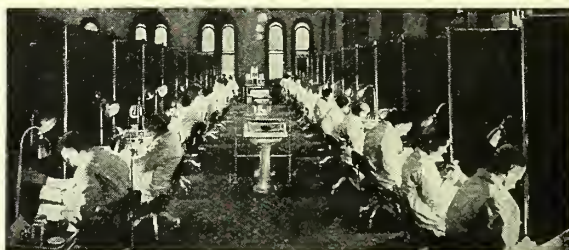
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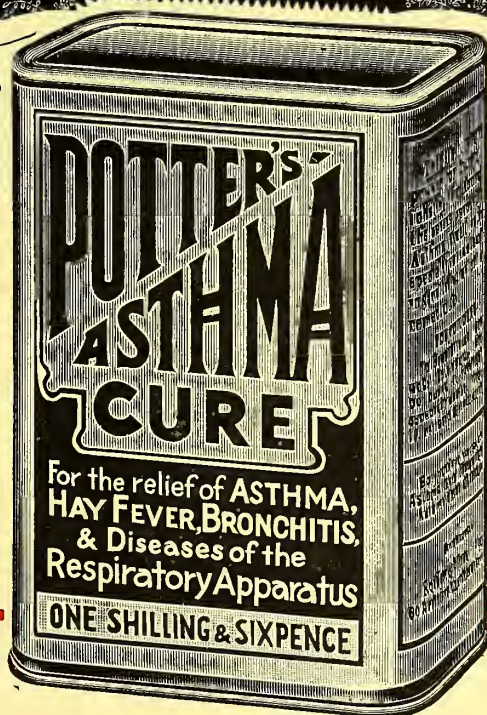
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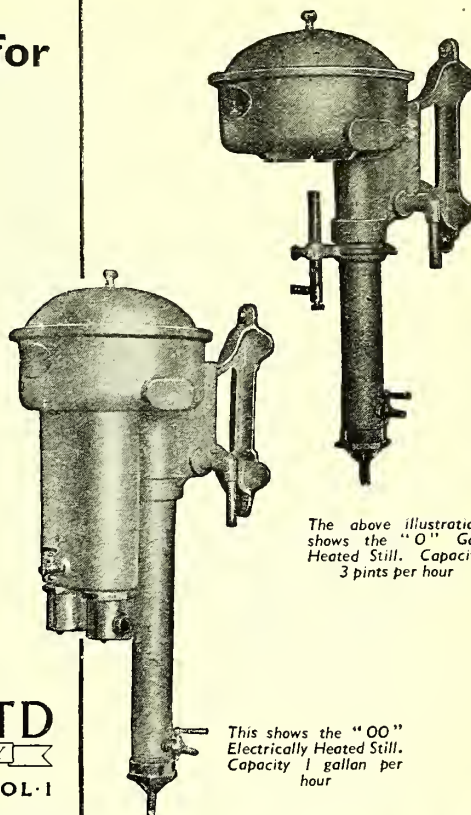
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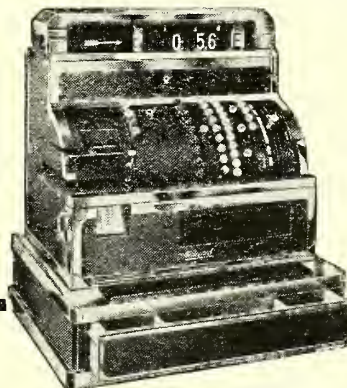
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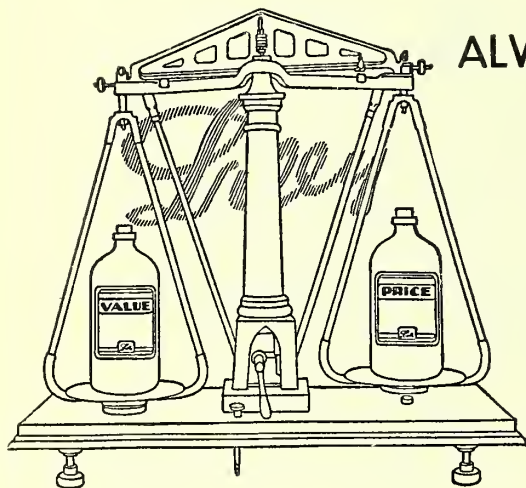
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News of the Week

Additional Import Duties—Starches, etc.

Under the Additional Import Duties (No. 12) Order, 1936, the undermentioned class or description of goods will be liable to duty under the Import Duties Act, 1932, at the rate of 7s. 6d. per cwt., as from July 1, 1936:—

Rice, millet and buckwheat starches, and goods consisting of a mixture of such starches or any two of them; and cornflour, custard powder and laundry materials, containing such starches.

Shops (Sunday Trading Restriction) Bill

On July 2 the Shops (Sunday Trading Restriction) Bill passed through the Committee stage in the House of Lords. The discussion related chiefly to the special requirements of vendors of various types of food and to the conditions obtaining at holiday resorts. The clause applying to pharmacists' qualified assistants, which gave rise to considerable discussion at the time of its introduction in the House of Commons, now appears in the Bill as Clause 11 (1) (b) (v); and the wording in the First Schedule allowing the opening of shops for the sale of medicines and medical and surgical appliances is:—

"Medicines and medical and surgical appliances by any person who has entered into a contract with an insurance committee under the National Health Insurance Acts, 1924 to 1935, for the supply of drugs and appliances."

The Bill, as amended in Committee, may be obtained (price 4d.) at H.M. Stationery Office.

British Standards Institution

The British Standards Institution has issued a British standard specification for three special flasks with graduated necks. The three flasks are primarily intended for the following purposes:—

45 mil flask with 5 mil scale.—To provide a standard flask for use in carrying out a polymerisation test as specified in British standard specification Nos. 244 and 245 for turpentine.

150 mil flask with 10 mil scale.—To provide a standard flask for use in the official method of the Society of Public Analysts for the determination of phenols in essential oils ("The Analyst," 53, 215).

200 mil flask with 25 mil scale.—This flask agrees in all particulars with the Standardisation of Tar Products Tests Committee's tar acids flask, Schedule No. V.5, pp. 224-227, of "Standard Methods for Testing Tar and its Products," except that, to meet an expressed preference for this shape of bulb, a conical bulb has been specified instead of an approximately spherical one.

Copies of this specification (B.S.S. 676-1936) may be obtained from the Publications Department, British Standards Institution, 28 Victoria Street, London, S.W.1, price 2s. 2d. post free.

The British Standards Institution has also issued a British standard specification for sugar flasks. This specification provides for two types of flask for use in sugar analysis, viz., a doubly graduated type suitable for the analysis of sugar factory juices and a singly graduated type, of greater accuracy,

suitable for the polarisation of sugars. The doubly graduated type is provided in three sizes. Copies of this specification (B.S.S. 675-1936) may be obtained from the Publications Department, British Standards Institution, 28 Victoria Street, London, S.W.1, price 2s. 2d. post free.

Sporting Events

Blackpool chemists were no match for a local solicitors' eleven at the Blackpool cricket ground on June 24. They had 29 runs on the board with only three wickets down, but a collapse followed and the innings closed at 35. The solicitors easily passed this total and went on to make 135.

The first athletic sports meeting of the Ucal sports club was held at Battledown, Cheltenham, recently. Nearly 1,000 employees and friends were present, and the meeting was opened by the president of the club (Councillor Harold Miller). Excellent performances were put up in many events, notably in the one-mile open, ladies' high jump, men's high and long jumps, and the quarter-mile. Unfortunately at 5 o'clock a storm of almost tropical violence broke, and this delayed proceedings for over an hour. During this involuntary interval prizes which had already been won were distributed by Mrs. G. W. Evans. Conditions having improved, the rest of the events were run off and the meeting came to a successful conclusion.

Outings

Members of the staff of Kolynos (Sales), Ltd., visited Brighton on June 23. Some 140 guests of the company sat down to an excellent luncheon, which was served in the banqueting room at the Royal Pavilion, Mr. C. V. Coome (general manager) presiding. The afternoon provided an opportunity to enjoy bathing, boating and other pleasures.

For their annual outing members and friends of the Cheltenham Branch of the Pharmaceutical Society made a motor-coach tour of the Broadway and Chipping Campden districts of the Cotswolds, afterwards proceeding to Stratford-on-Avon. After an hour or so of boating and visits to places of interest, tea was taken in the Shakespeare Gallery café. In the evening the party witnessed a performance of "Much Ado About Nothing" at the memorial theatre.

The staff of James Burrough, Ltd., held their annual outing at Folkestone on June 27, the journey being made by train and private cars. Several directors were present at luncheon, and speeches toasting the firm were made by Mr. J. Scott (warehouse foreman) and Mr. S. C. Godfrey (representative). The chairman (Mr. Frank T. Burrough) responded and thanked the staff for their support. The afternoon was spent in motor boat trips, and after tea the visitors sampled the entertainments of Folkestone.

The annual outing of the staff of C. J. Hewlett & Son, Ltd., Charlotte Street, E.C.2, took place on June 27, when nearly one hundred members proceeded to Margate by motor coach. A substantial dinner was provided at the Metropole Hotel, after which Mr. R. Bourne proposed "The Firm." Mr. Vivian C. Hewlett, F.C.S. (chairman), responded and referred to the improved trade conditions both at home and abroad. He mentioned recent expansions which had led to an increase in the staff employed. The party left Margate soon after 7 p.m.

Nine hundred and fifty employees of William Blythe & Co., Church, and John Riley & Sons, Hapton, manufacturing chemists, visited Blackpool on June 20 through the generosity of the directors. Following the regular practice, gold watches were presented to employees with service of forty years or over; recipients on this occasion numbered six. Reference was made to the fifty years' service of Mr. William Collison, who has risen from office boy to managing director, and a silver cigar and cigarette casket was handed to him on behalf of the workpeople.

The annual outing of The British Drug Houses, Ltd., took place on June 20, when special trains carried some 800 employees from Victoria to Margate. At lunch, taken at "Dreamland," the toast of "The directors of The British Drug Houses, Ltd.," was proposed by Mr. H. E. Wilson, enthusiastically received by the whole company and replied to by the chairman and managing director (Mr. C. A. Hill). Mr. Hill especially welcomed the large number of retired em-

ployees present. Other directors present were Mr. R. R. Bennett, Mr. Alan W. Hill, Mr. C. Mervyn Hill, Mr. F. C. O. Shaw and Mr. K. G. Shaw, the only absentee being Dr. F. H. Carr.

The annual outing of Wright, Layman & Umney, Ltd., was held on July 4. A special train conveyed the party of about 200 to Southsea; on arrival the majority visited Portsmouth harbour and dockward. Lunch was taken at the Esplanade Assembly Rooms, Southsea. The chairman (Mr. E. A. Umney), who was supported by his co-directors, welcomed several retired employees who had travelled long distances to attend. Mr. R. E. Conder responded to the toast of Mr. Maskell proposing success to the firm, and wished a long term of office to Mr. Umney as chairman. The itinerary arranged for the remainder of the day comprised a visit to the Isle of Wight by aeroplane and steamer, no less than sixty-five electing to make the crossing by air, followed by a motor coach tour of the west coast of the island as far as Alum Bay. After an interval for tea, the party returned to Ryde via Newport and thence by steamer and train to Waterloo, which was reached at 11 p.m.

The annual summer outing of the Newcastle, District and Northumberland Branch of the Pharmaceutical Society, held on July 1, was to the Hexham Hydro. Before tea a cricket match was held which caused great excitement; the teams were captained by the president and the vice-president respectively, the result being declared a draw owing to the sounding of the tea gong. After tea various races were held, the ladies' and gentlemen's slow race and the tug-of-war causing great amusement. At the finish of the races the party adjourned to the Winter Gardens, where Mr. Brown demonstrated various tricks. Mrs. Graham presented the prizes to the following:—Gretna Green race, Mr. Mills and Miss Tate; tug-of-war, ladies', Mrs. Graham's team; tug-of-war, gentlemen's, Mr. Hay's team; ladies' slow race, Mrs. Watkins; gentlemen's slow race, Mr. Weddell; ladies' balloon race, Mrs. Cooper; gentlemen's balloon race, Mr. Gibson; tête-à-tête race, Mr. Mills and Miss Wright; three-legged race, Mr. Mills and Miss Wright; ladies' blindfold race, Miss Penman; gentlemen's blindfold race, Master Gibson.

Huddersfield

The July meeting of the Huddersfield and District Branch of the National Pharmaceutical Union was held at the "Isle of Skye" Hotel on the moorlands, 1,477 feet above sea level, overlooking the Missenden Valley, eighteen members being present. A letter was read from the National Pharmaceutical Union advising that no pressure be applied nationally in respect of hospital supplies to panel patients in view of the present state of the drug fund. A notification was received from the Pharmaceutical Committee pointing out a further 5 per cent. deduction on N.H.I. payments as from April 1. Mr. Thomas drew attention to the fact that it had been decided to make fewer tests under the testing scheme, and he thought chemists might accept with pride the fact that the nation recognised their obligations were carried out completely. Mr. Bradshaw gave a concise report on the Bournemouth Conference.

Leeds

A civic opening was accorded to the new showrooms of Jack L. Barnett, Ltd., glassware merchants, in Meadow Lane, Leeds. The Lord Mayor (Alderman P. T. Leigh) opened the door with a gold key. He was accompanied by the Lady Mayoress, members of the city council and representatives of the Yorkshire glass industry. The Lord Mayor said that Leeds was the most progressive city in Great Britain, and the future would see extraordinary developments. It gave him great pleasure to open the new building, which comprises showrooms, warehouses and offices. In the new showrooms assorted glassware, including bottles and jars, will be prominently displayed, together with revolving automatic show stands. (Pictures on page 49.)

London

At Greenwich Police Court, recently, James Murray & Sons (London), Ltd., were fined 25s., with 21s. costs, for having sold arrowroot containing 3.75 per cent. of boric acid. It was stated for the defence that the arrowroot was part of the stock of a grocer purchased in 1932.

Members attending the annual conference of the National Association of Medical Herbalists of Great Britain, Ltd., were entertained at dinner in the Palace Hotel, Bloomsbury, on July 7, by Potter & Clarke, Ltd. Mr. Henry Potter (chairman of the company) proposed the toast of "The Association."

At North London Police Court, recently, Frank Maltese, Victoria Park Road, E, was summoned for having sold malt vinegar containing only 3.3 per cent. of acetic acid. Evidence was given to the effect that the vinegar had been kept in the cask too long and that bacterial action was responsible for the loss of strength. The summons was dismissed under the Probation of Offenders Act.

Manchester

One of the chief dates of the Manchester and District Chemists' Golfing Society's season—Ladies' Day and the competition for the Woolley trophy and replica—took place at Sandiway Golf Club on July 1. Members and their friends were the guests of James Woolley, Sons & Co., Ltd., for the afternoon. W. E. Phillipson (76) won the Woolley trophy and replica. H. Woodhead, J. A. Collins and J. Lomax (79) tied for the second prize, which was awarded to H. Woodhead for the best score for the first nine holes. Mrs. J. A. Collins won the prize for a ladies' putting competition. The president (Mr. J. H. Franklin) officiated at tea; afterwards Mr. G. S. Woolley presented the trophy and replica and the putting prize. The captain (Councillor F. D. Gee) expressed the pleasure of the members at the presence of Mr. and Mrs. G. S. Woolley.

The question of the exemption from the half-day closing granted to a large number of shops in Manchester by the City Council is to be brought before the notice of the various traders' associations in Manchester by the local branch of the Shop Assistants' Union. This step is the sequel to a letter from the town clerk of Manchester in reply to its request that the City Council should review the exemptions with a view to cancelling or suspending those that are regarded by the branch as unnecessary. In the course of his letter the town clerk stated:—"I must point out that each of these orders (for exemption) was made at the request of the shopkeepers concerned and after the council had ascertained that a majority of the occupiers of such shops were in favour of making the order. . . . Orders can only be revoked by an order made in the like manner. You will observe, therefore, that it is impossible for the local authority to move in the manner you suggest until they are requested to do so by the organisation or organisations representing a substantial proportion of the occupiers of the classes of shops concerned." Mr. H. L. Bailey, divisional officer for the north-western division of the Shop Assistants' Union, claims that the large number of exemptions granted in Manchester has brought the Shops Acts into contempt.

Nottingham

Boots, Ltd., have contributed £525 to the King George memorial fund.

A difficult piece of engineering work was expeditiously carried out when, in connection with extensions at the Beeston factory of Boots, Ltd., steel girders for a new bridge over the canal were "floated" into position on Saturday, June 27, and the erection completed during the afternoon.

Sheffield

Twelve motor coaches carried employees of Carter & Sons, Ltd., manufacturing chemists, Sheffield, on an outing to North Wales on July 4. Another party of employees spent the day in Scarborough, and a third visited Blackpool.

A team of pharmacists representing Sheffield played the Sheffield Savings Bank staff in a cricket match on June 25, at Abbeydale Park, Dore. The bankers batted first and scored 87. The pharmacists in a bad light could only total 39. W. Foulds (12) being the top scorer.

Owing to lack of time and the holidays, it has been decided to award the Stiles prize and other annual prizes to the best students in the area of the Sheffield and District Branch of the Pharmaceutical Society in accordance with the results of the terminal examinations of the session 1935-36 of the two Technical Colleges, Barnsley and Sheffield.

At a meeting of the Barnsley (South Yorkshire) borough education committee last week the director of higher education (Mr. H. S. Magnay) reported upon a meeting with the education authorities of Sheffield, Rotherham, Doncaster and the West Riding with reference to the proposal to establish a course for pharmaceutical students. The director was authorised to attend a further conference, and in the meantime to advertise for a full-time teacher, the committee being of the opinion that Barnsley was the best centre.

Miscellaneous

THEFT.—The premises of Mr. A. Preston, chemist and druggist, Park Villas, Whalley, Lancs, were broken into recently and a sum of money was stolen.

CLOSING ORDER.—Bridlington Town Council has issued an order fixing the chemists' closing hour from July 1 to September 12 at 10 p.m. on Saturdays and at 9 p.m. on other days of the week.

At a recent general meeting of the Bristol Pharmacy Students' Association it was decided to form an Old Students' Association. A committee was elected. A meeting has been arranged for all interested, in the Lesser Hall, M.V.T.C., Unity Street, Bristol, at 8 p.m., on July 13.

IN THE COURTS.—At Cardiff Quarter Sessions, on July 3, Idris Thomas, herbalist, Severn Grove, was acquitted of charges alleging that in twenty-four instances he obtained money by false pretences. The statement for the prosecution was to the effect that he promised cures to people suffering from various diseases, including cancer and rheumatoid arthritis.—At Windsor Borough Sessions, recently, Richard Brown was sentenced to a month's hard labour for stealing a bottle of eye lotion, value 4s. 6d., from the shop of Russell & Co., chemists, High Street.

LISTED SELLERS DISCUSSED.—At a meeting of Stockport Town Council discussion took place as to the right committee to administer the Pharmacy and Poisons Act, 1933. A councillor said the Pharmaceutical Society had inspectors and machinery for doing this work, and they would do it with pleasure if asked. A second councillor objected to this, and said it would be tantamount to asking the Pharmaceutical Society to inspect themselves. It was a question for the watch committee. A third member said that with few exceptions the administration of the Act was taken over by the health committees throughout the country. The shops inspector was the right man to do it, and he moved that this course be adopted. This was agreed to.—The Bournemouth Town Council, at its meeting on July 7, granted the applications of nineteen firms or persons to become listed sellers of Part II poisons.

CENTRAL OPTICAL COUNCIL.—The second meeting of the Central Optical Council (see *C. & D.*, May 23, p. 585) took place on June 29. Mr. A. E. Turville was in the chair. It was reported that most of the organisations had contributed the amount which had been agreed at the previous meeting as likely in the aggregate to cover the working expenses of the Council for one year. The amount being paid by each organisation is £25. There was a discussion on ethical rules, and it was agreed that such suggestions as had been made should be circulated and that at the next meeting of the Council a set of rules which could be considered acceptable to all the organisations should be finally drafted and submitted. Other matters discussed included national propaganda and the question of publicity for the Council's work.

EVENING COURSES IN CHEMISTRY.—Evening "refresher" courses have been arranged by the Yorkshire Council for Further Education as under:—*Bradford Technical College*, commencing October 7 and on successive Wednesdays: "The Microscopy of Food and Drugs" and "Bio-chemical Analysis" by Mr. F. N. Appleyard, B.Sc., F.I.C., Ph.D., and Mr. R. C. Girdwood, M.B., Ch.B. *Huddersfield Technical College*, on Thursdays, commencing September 17, a series of weekly lectures on chemical engineering by Mr. G. B. Jones, A.M.Inst.C.E., A.I.C. *Leeds College of Technology*, on Wednesdays, commencing September 23: "Microbiology, including Bacteriology," by Mr. W. A. Cuthbert, M.Sc.; commencing October 14: "Advanced Inorganic Chemistry," by Mr. R. S. Bradley, M.A., and Mr. J. Calvin, B.Sc., Ph.D. Inquiries respecting the courses should be addressed to the principal of the college concerned.

Irish Notes

Brevities

A sum of money to establish a chemical research studentship and a gold medal has been bequeathed to the Queen's University, Belfast, by Professor E. A. Letts.

The degrees of M.B., B.Ch., B.A.O., were conferred, at Trinity College, Dublin, on July 1, on Mr. E. T. McCartney, B.A., youngest son of Mr. R. F. McCartney, J.P., Ph.C., Coleraine.

Belfast

Mr. Fred Storey, Ph.C. (vice-chairman of the Ulster Tourist Development Association), was present last week at the inauguration, in London, of an Ulster Group of the Overseas League.

At the Belfast summons court, Thomas Johnston was fined 20s. for selling vinegar which was 12.5 per cent. deficient in acetic acid; Fergus Gowdie was fined 2s. 6d. for selling vinegar 30 per cent. deficient.

Next week is the annual industrial holiday week in Belfast and throughout Northern Ireland. Belfast pharmacies will be closed on July 13 except for the sale of urgent medicines. Many will close on July 14 also.

Mr. A. W. Mann, Ph.C., Belfast, in his capacity of personal esquire to Sir Robert Kennedy, K.C.M.G., a Knight Justice of the Order, was present at the meeting in Clarence House, London, presided over by H.R.H. the Duke of Connaught, in connexion with the Venerable Order of St. John of Jerusalem.

J. & J. Haslett, Ltd., chemists, North Street, Belfast, held their annual excursion to Portrush on June 27. The party from Belfast was joined at Portrush by a large contingent from the Dundalk warehouses. Luncheon and tea were served for 160 persons. Following the tea interval Mr. Kerr, on behalf of the Belfast staff, and Mr. Jamieson, for Dundalk, thanked the directors for the day's arrangements. Mr. J. H. Haslett made reference to the great loss he had recently sustained in the death of Mrs. Haslett, and added that the kindness and sympathy of his many friends had been very helpful.

Scottish Notes

Brevities

Damage estimated at several thousand pounds was caused by a fire at the works of Forrest & Sons, Ltd., chemical manufacturers, Fulbar Road, Paisley, recently.

Space is now being allocated to exhibitors for the Glasgow Housing and Health Exhibition to be held in the Kelvin Hall from September 30 to October 24. Sections are to be devoted to sanitary materials; appliances for home nursing and welfare; photographic apparatus and material; and other subjects.

Edinburgh

The list of new members of the Royal Society of Edinburgh contains the names of Sir Henry Hallett Dale, M.D., F.R.S. (Director of the National Institute for Medical Research, London), and Mr. Frederick George Donnan, C.B.E., LL.D., F.R.S. (Professor of Chemistry, University of London).

The annual practical botanical demonstration of the summer session of the Edinburgh Chemists' Assistants' and Apprentices' Association took place at 36 York Place, Edinburgh, on July 3, when fresh plants collected by members and representing thirty-five natural orders, eighty-three genera and ninety-six species were explained by Mr. J. Rutherford Hill.

Delegates from scientific societies from this country, Sweden and the United States were present at the recent centenary celebrations of the Botanical Society of Edinburgh. Emeritus Professor Bower, a past-president of the Society, in his centenary address, said that early advances in botanical thought by the original members of the Society in 1836 opened the way for still greater results during the period that followed. The second half of the century in the history of the Society had witnessed the development of botany along many divergent branches of specialisation, which, though cognate, were often pursued with a dangerous exclusiveness. A society like theirs would naturally aim at welcoming all branches of the science upon an equal footing. The lecturer was thanked on the motion of Mr. J. Rutherford Hill, O.B.E.

Topical Reflections

By Xrayser

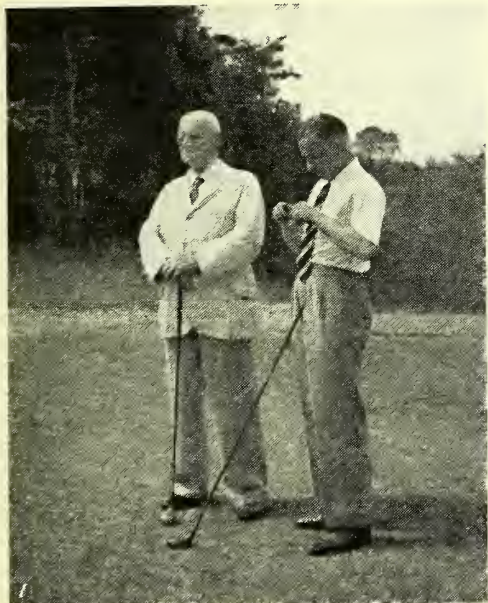
Your Remarks

upon the British Pharmaceutical Conference (*C. & D.*, July 4, p. 33) sum up tersely yet definitely and effectively the results of what was undoubtedly a very successful gathering from the technical, business and social aspects. It has sometimes been the case that the majority, if not all, of the papers read at previous conferences have been of "highbrow" character and divorced in their application from the needs or usage of the average pharmacist. This was certainly not the case at Bournemouth. Several of the papers read were helpful to the manufacturer and retailer alike, and in the first place I would put that on "The Penetration of Heat into Surgical Dressings." There is a growing demand on the part of the medical man, and particularly the surgeon, for outfits of several types containing sterile dressings; this is business that is eminently suitable for passing through the pharmacist, and all information that will help to foster the growth of this side-line will be welcome. The standardisation of tablets is another practical subject which I am glad was discussed. The remarks of the speakers revolved chiefly round the question of the necessity for laying down some standard of weight. It is obviously embarrassing, to say the least, for a retail chemist to have to explain to his customer why a tablet of one maker is not the same in appearance and weight as that of another, when both contain the same quantity of medicament. The standardisation of tragacanth was another paper of practical importance to the pharmacist, as also was that on "Notes on the So-called Magnesium Trisilicate," a salt which appears to be coming into vogue as an alternative to the usual neutralising agents for acidity.

The Meetings

of branch representatives, the first of which you report on pp. 8-10, were interesting in every way; these are now regarded, as was indicated by one of the members of the council, as the "pharmacists' parliament," giving opportunities for the members of the society to "blow off steam" and to criticise those whom they have elected to control its affairs. There was some hard hitting, which was taken in good part by those aimed at; the attitude of the president of the society as chairman of the meeting was scrupulously fair, and won many complimentary remarks. I was glad to see that the resolution moved by the representatives from the Oldham and District Branch, to the effect that the business of a candidate for election to the Council should be stated on the voting paper, was passed. It is only right that members should be in possession of all the information possible concerning candidates. I do not consider it necessary for only those concerned in retail business to be members of the Council; after all, there is a number of members on the wholesale, hospital and other sides of pharmacy, and these are entitled to representation. Further, it does not follow that a manufacturer on the Council cannot represent retailers—the point is that his allegiance should not be divided. No man can serve two masters. Members should therefore be made aware of the relevant facts before voting. The subject of territorial representation formed the basis for another good discussion, and it was evident that the question was by no means easy of solution. I suggest that members of the Society should think carefully before they press for another system of election to the Council.

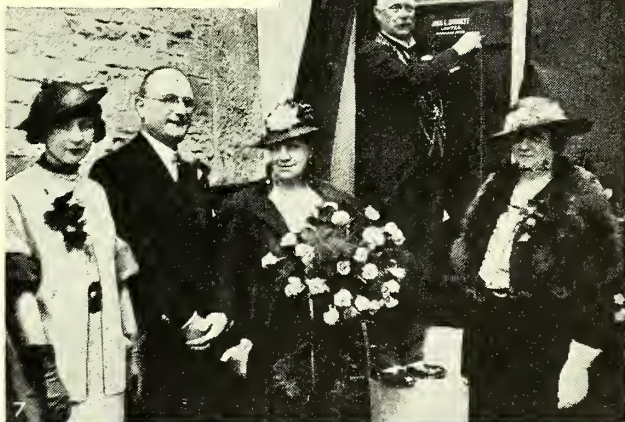
NEWS in PICTURES



AT THE BRITISH PHARMACEUTICAL CONFERENCE.—1. Mr. J. H. Franklin, Manchester, and Dr. J. Coutts, London. 2. Mr. L. Smith, Bournemouth. 3. Three ladies from Leeds: Mesdames Shooter, Hodgson and Judge. 4. Mr. L. J. Sloper, Bournemouth. 5. A group at Weymouth, including Mr. E. H. Simmons (vice-president of the Pharmaceutical Society) and Mr. T. Edward Lescher (next year's Conference chairman). 6. English and Scottish bowls competitors.



NEW GLASS WAREHOUSE AT LEEDS.—7. The Lord Mayor of Leeds (Alderman P. T. Leigh) at the civic opening of new premises for Jack L. Barnett, Ltd. 8. A corner of the bottle showroom. (See also p. 46.)



Legal Reports

Proceedings in Dublin.—In the Dublin District Court, on July 1, Ivor Kronn, grocer, was sentenced to six months' hard labour, and was fined a total amount of £200, for offences in connexion with the importation and sale of contraceptives.—At the same court, on July 2, David Glick, variously described as a chemist and as a chemist's assistant, was fined £100 for being concerned in the importation of such goods.—At the same court, on July 3, Charles J. Brockebank, Fownes Street, was sentenced to six months' hard labour, and was fined a total amount of £250, for similar offences.

Action Dismissed.—In the Chancery Division of the High Court, London, on July 2, Parfums Ciro, Rue de la Paix, Paris, sought an injunction to restrain Ciro Pearls, Ltd., Regent Street, London, W.1, or their agents, from selling or offering perfumes or toilet articles as "Ciro's" without making it clear that they were not of the plaintiffs' manufacture and from passing off such goods as the plaintiffs'. Ciro Pearls, Ltd., denied that they had done this, and answered that in this country the name was associated with their own merchandise and had been for many years—long before the plaintiffs' scents were known in England. Parfums Ciro asked for the obliteration of the name from the defendants' perfume advertisements, cartons and packing seals. The defendants' case was that they had not passed off and that in eighteen years as jewellers they had become known to the public as Ciro and Ciro of Bond Street. They imported from France perfumes of their own selection. Their container and seal had been in use for eight years. Mr. F. E. Bray, K.C., for the plaintiffs, explained that the defendants approached them with a view to becoming sole distributors in this country of the plaintiffs' perfumes, but the negotiations came to nothing, and shortly before last Christmas the defendants began to sell French perfumes. They had a perfume called Sin, and asked by advertisement whether people had learned the virtues of Sin. Mr. Bray produced a letter from the secretary to Mr. Douglas Fairbanks, jun., in this country, telling Parfums Ciro, with regard to their scent: "I have tried in London to obtain it without success." But thousands of bottles, said Mr. Bray, had already been sold in this country. Mr. John Hutchings, manager of Robel, Ltd., of Jermyn Street, gave evidence that as agent he showed Parfums Ciro's goods at the Hairdressers' Exhibition in 1934. Of 14,000 retail chemists in England 40 per cent. sold perfumes. There were sixty-seven wholesale chemists in London and thirty-seven in the provinces. Of hairdressers selling perfumes in England there were 24,000, and 106 beauty specialists in London and 200 in the provinces. Witnesses gave evidence that "Ciro" for them meant the plaintiffs' perfumes, and other witnesses said that "Ciro" for them meant only the defendants' goods. Mr. Cyril Brewer, manager of Brewer & Son, patent agents, deposed that he registered for the defendants the word "Ciro" in a drawing of a shell for pearls in 1920, and in 1934 the name for various forms of jewellery. When he tried to register "Ciro" for perfumery and toilet articles in 1934 he did not persist with the application because he was shown a number of other registered names which were similar but not the same. The judge said it was impossible to find that the name "Ciro" had become identified exclusively with the plaintiffs' products, and their action must be dismissed, with costs.

Action Against Former Manager.—In the Chancery Court, Belfast, on July 3, a settlement was announced in an action brought by Orzone (Ireland), Ltd., medical herbalists, 10-12 North Street, Belfast, against Mr. Albert F. Henry, who had been in their employment as manager and supervisor of certain branch establishments. The plaintiffs claimed an injunction restraining the defendant from using the whole or any material part of a list of addresses of their customers, or information in their card index, obtained by him while in their employment, and an order compelling the defendant to deliver up all books, card indexes, or extracts from the books of the plaintiffs. An injunction was also sought restraining the defendant from using any private information obtained by him while in their employment, and from printing or publishing advertising material or pamphlets in breach of their copyright, together with an order that the defendant should deliver up all such pamphlets or advertising material. A further injunction was claimed

restraining the defendant from making use of circulars or pamphlets calculated to deceive the public and represent that he was dealing in the goods of the plaintiffs or was still connected with the company or that his business was identical with theirs. The terms of the consent provided for an order in accordance with the plaintiffs' claim, together with the payment of £150 in full satisfaction of their claim for damages. Mr. Murphy, K.C., for the plaintiffs, explained that the defendant, following the termination of his employment by the plaintiffs, set up in business for himself in Lisburn, Lurgan, Portadown and Ballymena, in premises adjacent to those of the plaintiffs. According to the statement of claim, he made use of copies of order-books, index-cards and names and addresses of the plaintiffs' customers, and circularised them to the loss and detriment of their business. Counsel said it was also alleged that he had published a circular which the plaintiffs said was substantially identical with theirs. Mr. Justice Megaw said that he noticed some wonderful initials which appeared in the statement of claim. There was "Membership of the National Association of Medical Herbalists" and "Membership of the Institute of Botano-Therapy." Mr. Murphy: The plaintiff company certainly had very distinguished clients, to judge from the correspondence. Mr. Justice Megaw: But these qualifications—are they recognised by any charter or are they self-assumed? Mr. Murphy: They are not medical, of course, but I should imagine that they are something in the nature of the qualifications of an osteopath. At all events, added counsel, the plaintiffs had carried on business for a great number of years, and he was glad to say that his lordship would not be troubled with the proof of their allegations. Mr. Black, K.C., for the defendant, said that he had nothing more to add beyond consenting to the injunction. "My client is a man of high eminence in his profession," added counsel, "but he took a wrong view of his legal rights." Mr. Justice Megaw made the consent a rule of court, no order being made as to costs.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

LONGTHORNES, LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists, opticians, druggists, etc. R.O.: 779 London Road, Westcliff-on-Sea.

O. R. WINDEMER, LTD. (P.C.).—Capital £3,000. Objects: To acquire the business of a dispensing chemist now carried on by Oscar R. Windemer at Royal Park, Harrogate, as "O. R. Windemer."

ADRIANNE DEITZ, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in powders, salves, creams, etc. Richd. Taylor, 39 Albert Road, Morecambe, director.

F. N. WOLFENDEN, LTD. (P.C.).—Capital £5,000. Objects: To acquire the business of a dispensing manufacturer carried on by Florence N. Wolfenden at 8 Downing Street, Ardwick, Manchester, as "F. N. Wolfenden."

ANTOINE BEAUTY PREPARATIONS, LTD. (P.C.).—Capital £8,000. Objects: To carry on the business of manufacturers of and dealers in beauty preparations, etc. Alexis Joachims, 39 North End House, W.14, director.

JAMES GREEN (CHEMISTS AND OPTICIANS), LTD. (P.C.).—Registered in Edinburgh. Capital £100. Objects: To carry on the business of wholesale and retail chemists and druggists, opticians, etc. R.O.: 503 Castlemilk Road, Croftfoot, Glasgow.

FERRANGO, LTD. (P.C.).—Capital £11,000. Objects: To adopt an agreement with Rangi, Ltd., of Nairobi, Kenya, East Africa; to acquire patents; to carry on the business of chemists, druggists, etc. Solicitors: Young, Jones & Co., 2 Suffolk Lane, E.C.

WILLIS (HORNCURCH), LTD. (P.C.).—Capital £700. Objects: To acquire the business now carried on by Mrs. Ellen A. Bacon at 5 Butts Green Road, Hornchurch, Essex, as "Willis' Drug Stores," and to carry on the business of chemists and druggists, etc.

WALTER PICKERING, LTD. (P.C.).—Capital £100. Objects: To carry on the business of wholesale and retail chemists and druggists, etc. R.O.: 104 Newgate Street, Bishop Auckland.

E. J. POCKOCK & SON, LTD. (P.C.).—Capital £2,000. Objects: To adopt an agreement to develop the formulas referred to therein and to carry on the business of manufacturers of and dealers in chemical compounds, etc. R.O.: 52/4 High Holborn, W.C.1.

PROSIT PRODUCTS, LTD. (P.C.).—Capital £2,500. Objects: To adopt an agreement between Geo. Phillips and Geo. V. B. Rae, and to carry on the business of manufacturers and distributors of toilet goods, medicines, medical and surgical appliances, etc. R.O.: 31 Copthall Avenue, E.C.2.

ARDELCEY, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of dealers in surgical rubberware carried on by E. G. H. Nobbs and F. J. H. Rooft at 407 Coldharbour Lane, Brixton, S.W.9, as Ardelcey Rubber Products, and Rooft, Dark & Co., together with the trade mark "Ardelcey."

DOMO REMEDIES, LTD. (Public Company).—Capital £100. Objects: To manufacture and sell the Domo Remedies; to adopt an agreement with H. M. Allyn and to carry on the business of manufacturing and experimental chemists, etc. Henry M. Allyn, 12A Kensington Court, W.8 (permanent chairman). R.O.: Empire House, 175 Piccadilly, W.1.

REES'S PHARMACY, LTD.—At a meeting held in Trowbridge recently it was resolved that this company be wound up voluntarily. Mr. J. T. Lloyd, 63 Fore Street, Trowbridge, was appointed liquidator.

S. C. & M. (CHEMICALS), LTD.—At a meeting held in London recently it was resolved that this company be wound up voluntarily. Mr. P. R. Goodwin, 35 Seething Lane, E.C.3, was appointed liquidator.

IMPEX (TOILET GOODS LONDON), LTD.—At a meeting held in London recently it was resolved that this company be wound up voluntarily. Mr. H. Green, 1 Kingsland High Street, London, E.8, was appointed liquidator.

SAVORY & MOORE, LTD.—Profit and loss account balance for year to January 31 was £52,782, an increase of £6,635. After payment of preference dividend and transfer of £3,125 to debenture sinking fund account, £9,274 remains to carry forward, against £8,593.

COCKBURN & CO., LTD.—Accounts for year to March 31, 1936, show net profit amounts to £10,408, against £10,223, and, after raising the general reserve by £500 to £19,500 the directors propose to maintain the dividend on the £15,000 of ordinary capital at 25 per cent., less tax, leaving £6,313 to be carried forward.

COMPANIES DISSOLVED.—Notice has been given in "The London Gazette" that the names of the under-mentioned companies have been struck off the register and the companies dissolved:—Barnsley Chemical Co., Ltd.; South London Pharmacy, Ltd.; Super-Disinfectants, Ltd.; Superfine Chemicals, Ltd.; Vivians Chemists, Ltd.

Voluntary Liquidation

E. M. Cutfield, Ltd., 7 The Parade, Angmering-on-Sea, chemists. The statutory meeting of creditors was held recently at the offices of Mr. Parkin S. Booth, 14-17 Holborn Viaduct, London, E.C., when a statement of affairs was submitted which showed liabilities of £570 os. 4d. After allowing £65 13s. 1d. for preferential claims the net assets were £268 15s. 10d., or a deficiency, so far as the creditors are concerned, of £301 4s. 6d. It was stated that the bank held the guarantee of two of the directors, and the cash creditors' claims arose in respect of loans. The company was registered in May 1924 with a nominal capital of £525. During the year to May 31, 1929, the sales were £1,294, and for the twelve months to May 31, 1935, they were £1,623. In the latter year there was a net loss sustained of £150. The creditors passed a resolution confirming the voluntary liquidation of the company, with Mr. Parkin S. Booth as liquidator. Mr. Booth stated that he would continue the business for a short time with a view to effecting a sale as a going concern.

Stock Exchange Prices

£1 shares unless otherwise stated	Dec. 31, 1935	May 29, 1936	June 30, 1936
Allen & Hanburys, 7% Prefd. Ord. ...	s. d.	s. d.	s. d.
Amalg. Dental Co., 8% Prefd. Ord. ...	23 9	24 0	24 0
" " Deferred £1 ...	9 0	13 0	17 6
Aspro, Ltd. ...	20 0	19 9	19 6
Ayrton, Saunders & Co., 7½% Pref. ...	23 6	25 9	27 0
Beechams Pills, Deferred 5s. shares ...	39 9	56 3	54 9
Benger's Food, Ord. ...	40 6	40 0	40 0
Benzol & By-Products cum. part. Pref. ...	1 9	5 0	7 0
Berger (Lewis) & Sons, Ord. ...	66 3	68 9	68 6
Blundell Spence & Co. ...	18 0	18 6	18 9
Boake (A.), Roberts & Co., 5% Pref. ...	20 0	20 0	19 6
Boots Pure Drug, Ord. 5s. shares ...	49 6	53 6	54 3
Boots Pure Drug, 7% "A" Prefd. Ord. ...	32 0	33 0	33 0
Boots Cash Chemists (S.), 6% "A" Pref. ...	28 10½	29 0	29 3
Borax Consol., Dfd. Ord. ...	20 9	28 3	28 6
Bovril, Ord. ...	27 3	27 6	27 9
" Dfd. ...	18 1½	21 0	21 0
British Cyanides, Ord., 2s. shares ...	3 1½	3 6	3 4½
British Drug Houses, The, Ord. ...	18 0	20 0	19 6
British Glues & Chemicals, 4s. Ord. ...	7 7½	9 0	9 0
British Oil and Cake Mills, Prefd. Ord. ...	48 9	48 6	49 3
British Oxygen, Ord. ...	113 9	92 6	105 7½
British Photo. Indus., 6% Cum. Pref. ...	3 0	3 3	3 6
Burt, Boulton & Haywood, Ord. ...	19 6	21 6	21 6
Bush (W. J.) & Co., 5% Pref. £5 ...	108 9	112 6	112 6
Callard, Stewart & Watt, Ord. ...	3 3	5 0	5 6
Cooper, McDougall & Robertson, Ord. ...	38 9	32 6	31 6
Crosfield (Joseph) & Sons, 6½% Pref. ...	31 9	30 9	31 3
Dubarry Perfumery, Ord. 1s. ...	5 10½	6 3	3 0
" " 7½% Pref. ...	26 6	26 3	26 3
Eno Propriet'y, Ord. 5s. ...	9 6	9 3	9 4½
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares ...	4 3	5 6	5 6
" " 6% cum. part. Pref. ...	7 6	7 6	7 6
Field (J. C. & J.), Ord. ...	25 0	33 0	27 6
Galloway (P.H.), Ord. 2s. ...	3 7½	3 3	3 3
" " 7½% Cum. Pref. ...	26 6	27 0	26 6
Genatosan, Ltd., 1s. ...	7 6	6 9	6 10½
Gossage (William), 6½% Pref. ...	29 6	30 6	30 0
Greeff-Chemical H'dings, Cum. Pref. 10s. ...	—	—	11 0
" " Ord. 5s. ...	—	—	9 1½
Griffiths Hughes (Kruschen) Ord. ...	57 6	56 6	55 9
Grout & Co., Ord. ...	25 0	26 0	20 6
Hodders, Ord. 1s. ...	0 4½	0 10½	1 0
Ilford, Ltd., Ord. ...	26 3	33 0	33 0
" " 6% Pref. ...	26 3	25 9	26 0
Imperial Chemical, 7% Pref. ...	33 9	34 9	34 6
" " Ord. ...	37 0	39 1½	38 10½
" " Dfd. 10s. ...	9 0	9 6	9 6
Intern. Sponge Importers, 6% Pref. ...	8 6	8 0	8 9
Kent (G. B.) & Sons, 5½% Pref. ...	3 0	3 0	2 6
Knight (John), 25% Prefd. Ord. ...	101 3	102 6	105 0
Laporte (B.) & Co., Ltd., Ord. ...	116 3	115 0	121 3
Lever Bros., Ltd., 7% Pref. ...	32 3	34 3	32 9
" " 8% Pref. ...	33 6	34 9	34 6
" " 20% Prefd. Ord. £1 ...	77 6	80 9	78 3
Lewis & Burrows, Ord. ...	21 3	25 3	25 0
" " 6% Pref. ...	21 3	21 6	22 6
Liebig's Ext. of Meat, Ord. £5 ...	£14½	£17½	£16½
Macleans 6% Red. Pref. ...	21 3	22 3	22 3
Mellin's Food, 6% Pref. ...	1 0	5 6	5 0
Nathan, J. (Glaxo), 7% Pref. ...	24 6	24 3	25 0
" " 8% Prefd. 10s. ...	15 0	12 6	12 9
" " Ord. 1s. ...	5 0	5 9	5 4½
Pears (A. & F.), 5% Deb. £100 ...	£112	£110	£110
Reckitt & Sons, Ord. ...	115 0	115 0	114 6
Salt Union, Ord. ...	44 6	41 3	43 3
Sangers, Ord. 5s. ...	23 3	24 9	24 9
" Sanitas," The Co., 9% Pref. ...	32 6	34 3	34 3
Sanitas Trust, 10% partic. Pref. ...	30 0	30 0	30 0
Smith (Stephen) & Co., Ord. 5s. ...	12 9	11 10½	11 6
Spratt's Patent, Ord. ...	76 0	70 0	70 0
Stevenson & Howell, 6½% Cum. Pref. ...	26 3	26 3	26 3
United Glass Bottle Man., Ord. ...	44 9	45 0	43 3
Veno Drug Co., 8% Pref. ...	27 0	26 3	26 3
Viol, Ltd., Ord. ...	28 9	29 0	26 3
" " 7% Pref. ...	25 6	25 0	25 6
White (A. J.), Ltd., Ord. 10s. ...	21 0	23 0	23 1½
White (Timothy) & Taylors, 7½% Pref. ...	30 9	31 3	31 6
" " Ord. 5s. ...	22 6	29 0	29 3
Woodlands Chemists, Ord. 5s. ...	2 9	1 6	1 0
Wright, Layman & Umney (1932), 7% cum. Pref. ...	22 6	23 9	23 9

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND AND WALES

Hertfordshire.—The Medical Service Subcommittee has recommended that the sum of £5 be deducted from the remuneration of a doctor who was alleged to have made out a test prescription in such a way that the chemist dispensing it would recognise it as a test. The doctor stated that the prescription was made out in accordance with the Committee's instructions, the name "Sherlock Holmes" being a fictitious one; it was stated that a further request for a test prescription was not complied with.

Liverpool.—The Pharmaceutical Committee at its last meeting reviewed the question of excessive prescribing in the area. The frequency had increased from 2.64 in 1916 to 5.18 in 1935, and the average cost from 17.37d. to 41.10d. Examination revealed the fact that expensive proprietaries, which were not envisaged under the small capitation allowance originally calculated, are being frequently prescribed. It was felt that the time had come to make a serious protest to the authorities against the inadequacy of the N.H.I. allowance and to point out that 2s. 11d. per head was insufficient.

South-West Lancashire and Cheshire.—The report of the Joint (Prescriptions) Committee for the year 1935 includes many tables of comparative figures, from which the following are taken:—

PRESCRIPTION COSTS

Year	Prescriptions	Total Cost	Average Cost of Ingredients	Average Cost of Dispensary Fees	Average Cost per Insured Person
		£ s. d.	d.	d.	d.
1920	1,819,350	78,250 1 11	5.27	4.93	26.10
1925	3,068,222	111,729 12 8	4.27	4.47	34.10
1930	3,860,384	128,438 1 1	3.65	4.33	36.19
1935	4,458,162	147,416 16 6	3.59	4.35	41.10

The average prescription frequency and cost per insured person for 1935 show a considerable advance on those of the previous year, and represent a "peak" figure in each case. The aggregate prescriptions issued also reach a record figure, some 40,000 higher than that of 1933, when the figures were themselves abnormally high owing to an influenza epidemic. On the other hand, the average number of listed patients was only 860,782 against 875,027 in 1933.

CHEMISTS, DOCTORS AND INSURED PERSONS

Area	Chemists' Shops	Doctors	Insured Persons
Birkenhead	91	94	53,882
Bootle	83	75	28,514
Cheshire	412	505	258,837
Chester	23	21	15,955
Liverpool	344	317	302,042
St. Helens	27	32	40,503
Southport	44	62	28,203
Stockport	82	101	56,779
Wallasey	74	57	30,916
Warrington	20	30	34,522
Wigan	42	50	34,291
Total	1,242	1,344	884,444

The result of the National Pharmaceutical Union check of 445,523 scripts for the year 1934 showed a net margin of error of 0.046 per cent., approximately $\frac{1}{2}$ d. in the £1.

Smethwick.—The Ministry of Health has revised the number of tests to be made annually by the Committee under the drug-testing schemes to twelve of drugs and three of appliances, instead of ten and three respectively, as at present. The cost of capsicum tissue (1s. 1d.) and of a leather wrist strap (11d.) has been debited to the practitioners who prescribed them, such articles not being included in the list of those which may be prescribed. During the quarter ended March 31 the total number of prescriptions issued was 51,234, the total cost of

ingredients £726, and the total cost of dispensing fees, £937. The total cost was £100 more than in the corresponding period of 1935, the number of prescriptions being higher by 3,360. Insured persons numbered 39,185, compared with 38,528. Advance payments were made to chemists for April at the rate of 95 per cent. of dispensing fees, together with full payment in respect of drugs. Some days after payment had been made a further letter was received from the Ministry stating that, owing to an exceptional rise in the first quarter of the year of the amounts of chemists' accounts, it had been decided, as a precautionary measure, to reduce the amount of advances as from April 1 to 90 per cent. of dispensing fees, together with full payment in respect of drugs. It was recommended that no action be taken to recover the difference of 5 per cent., which might either be adjusted when the final settlement for the year was made, or in respect of the December accounts.

Items in Parliament

EXPENDITURE ON SCIENTIFIC RESEARCH

Mr. W. S. Morrison (Financial Secretary to the Treasury) replied to a question put to the Lord President of the Council as to the sums spent on scientific research during each of the past five years, exclusive of museums and defence research services. The following figures were given:—

1931-32	£1,673,745
1932-33	£1,526,471
1933-34	£1,426,855
1934-35	£1,474,090
1935-36 (estimated)	£1,567,211

Mr. Morrison: These figures include the cost of buildings maintained by the Office of Works in connexion with research services, but, with the exception of the Department of Scientific and Industrial Research, do not include the cost of administrative staff.

SUGGESTED COMPANIES ACT REVISION

The President of the Board of Trade was asked whether, as twelve years had elapsed since a Departmental Committee had been set up to examine the flaws in, and abuses of, the then limited liability company law, he would in the near future set up a similar departmental committee to examine the defects in the Companies Act, 1929?

Points made by the questioner and others in supplementary questions were that the public would hold the Department responsible if delay in amending the Act gave opportunities to unscrupulous persons; that the public apprehension was growing as a result of abuses of the bank nominee system; that amending the Act would take five years and should be commenced immediately.

Mr. Runciman: It is because of the many aspects of this case that there must be very careful consideration given to any proposal to alter the Act. We are accumulating a good deal of evidence . . . which will be available for whatever tribunal investigates it.

CENSUS OF DISTRIBUTION

The President of the Board of Trade was asked whether he was aware that a decennial census of distribution was in operation in Canada and the United States of America with the object of providing manufacturers of commodities with an indication of the requirements of the home consumer; and whether he would consider initiating a similar census in this country?

Mr. Runciman: One census of distribution has been taken in Canada and three in the United States. The answer to the second part of the question is in the negative. It is doubtful whether the results of a census would be of a value commensurate with the cost.

The Minister was further asked whether, in view of the fact that there was in this country a census of production of almost every commodity, and that distribution was the biggest industry in the land, he did not think it time some knowledge about distribution was obtained?

Mr. Runciman: The hon. member knows how very complicated and widespread are all the means of distribution, and he will realise from that alone what a very serious undertaking it would be to embark upon a census of distribution which might not have any value attached to it.

Branch Representatives' Meetings at Bournemouth

(Concluded from THE CHEMIST AND DRUGGIST, July 4, p. 10)

UNIVERSITY DEGREES AND THE REGISTER

Mr. R. HUDSON (Burnley and District) moved: "While recognising that university degrees in pharmacy add to its prestige, this Conference is of opinion that to admit holders of such degrees to the Register of Pharmaceutical Chemists without examination removes from the Society the control over such entrants to an extent that endangers the standard of the qualification." He said he was present at a meeting at Bloomsbury Square some twelve years ago at which certain alterations in the by-laws were under discussion, which among other things permitted of these degrees being recognised by the Society as partly, at any rate, taking the place of the Ph.C. examination. Sir William Glyn Jones, then secretary, made a masterly statement which no doubt greatly facilitated matters. It was understood that the only degree which would be so recognised was the one of London University, and that only internal students would be accepted. But other universities had been given the same privileges, and London external students could now take the degree. It was probable that owing to this there would be somewhat different standards of examination among different universities. Had they any guarantee that the lowest of these different standards would be equal to the standard of examination as conducted by the Pharmaceutical Society? He also submitted that the attitude of a university towards its undergraduate examination might be more benevolent than that of the Society to its candidates. He was aware that they still had to take a little examination in forensic pharmacy. He described it at a branch meeting as a piffling examination which could be learned by anyone in a morning before breakfast. It was quite possible that the C. and D. examination might reach the standard of the Ph.C., in which case it would appear likely that a large percentage of pharmacy students of the future would be able to take the degree, and the Society would lose the right to examine those candidates.

Mr. A. HOPE (Burnley) seconded the resolution.

THE SECRETARY suggested that Burnley had perhaps misunderstood what the position was with regard to the university degrees. Any university in this country could set up a degree in pharmacy. Therefore it was essential for the Pharmaceutical Society to retain such control as it could over university degrees in pharmacy. They had a very considerable control at the present time; and if a degree were to set too low a standard, he was certain the Council would have no hesitation in saying "We cannot admit your people to the Register." He would ask Burnley to allow this to be withdrawn.

Mr. HUDSON agreed with the secretary's suggestion and withdrew the resolution.

APOTHECARIES' ASSISTANTS

Mr. J. H. FRANKLIN (Manchester and Salford) moved: "That steps should be taken to discourage the training of Apothecaries' Hall students by pharmacists in institutions and in shops, and in schools of pharmacy." The Apothecaries' Hall qualification, Mr. Franklin said, led nowhere and tended to lower the standard of the pharmaceutical qualification. Many people did not or would not differentiate between them. Many young people who had not made sufficient inquiry did not understand why the Apothecaries' Hall qualification was not a stepping-stone to pharmacy. This was an effort by his branch to assist in a closer co-operation among pharmacists to do some little for the protection of the craft to which they were so attached.

Mr. T. MILLER (Manchester) seconded the resolution. He had noticed in the recent records of the forty or so hospitals in the Manchester area that in all the Corporation hospitals and all the big voluntary hospitals the dispensing was in the charge of registered pharmacists. But in many of the smaller ones the dispensers in charge had the Apothecaries' Hall qualification. In the returns of the April examinations for the Apothecaries' Hall assistant's certificate he noticed that forty-one candidates were successful. There were four examinations each year.

THE PRESIDENT: If I sense the feeling of this meeting correctly you are all in favour of the resolution from Manchester. Is that so? ("Agreed.")

A PHARMACY BILL AND RESERVATION OF DISPENSING

The next four resolutions were taken together:—

"That in view of the chaotic conditions existing in pharmacy and to meet any emergency that may arise in the future, the advisability of constructing a Bill for pharmacy be thoroughly discussed" (Harrow Branch).

"That immediate steps be taken to secure that the dispensing of all medicines shall be confined to registered pharmacists who alone have the training and qualification to perform the work" (Liverpool and District Branch).

"That this Conference urges the Society to recognise the rights and privileges of its members and to take immediate steps to endeavour to secure to registered chemists the sole right of the sale and dispensing of all drugs, chemicals and proprietary medicines" (Southampton and District Branch).

"That the responsibility of the pharmacist to the State having been clearly defined in the Pharmacy and Poisons Act, 1933, it is the view of this Conference that such responsibility can only be efficiently maintained and perpetuated if a measure of economic security is given to the pharmacist, and that with a view to this being done action should immediately be taken by the Society, in conjunction with the Universities and other educational bodies, to impress upon the authorities the responsibility of the State to pharmacy" (Tees-side Branch).

Mr. W. J. TRISTRAM (Liverpool) said that delegates at the conferences had already made a very careful investigation of anything affecting dispensing. The first Conference said they could not accept the draft Bill as it stood without two essential conditions, one of which was the securing of shop dispensing to the pharmacist. Afterwards circumstances made them change their minds; the position then was that they would accept the Bill and go ahead with another Bill to give them dispensing. That was the second stage. What was the third? The third was "Let us wait, have an interregnum and then possibly, in the course of time, some day, when public opinion feels like it, we might be able to get something done." It appeared to be the generally accepted view of the Council that they must wait indefinitely. The case was one of elementary justice for the pharmacist. He said they were not acting in their own selfish interest but in the public interest. The fact was that a large section of the public were entitled to have their dispensing done by the pharmacist. Why should it be restricted to them? A committee should be set up, a comprehensive pharmaceutical committee, so that when this legislation did come they would be prepared with their case.

Mr. J. L. HIRST (Liverpool), in seconding the resolution, said they ought at once to consider means by which the proposal could be advanced. There was one way only, and that was by Act of Parliament. He was not an adverse critic of the Council of the Society. But there was no reason why they should not be occasionally gingered up, why they should not bend their mental powers almost immediately to securing the object of the resolution. The report of the Departmental Committee was excellent in parts. But in that report there was a minority report by Mr. Gamble, which was the most valuable part of the whole body. It stated the minimum of what should be theirs, and that was what they should ask for. If they asked with sincerity the public would back them.

Mr. R. MACDONALD MURRAY proposed the resolution of the Tees-side Branch. He said it was a cruel shame that the Government, instead of assisting pharmacy, seemed to think that the pharmacist was the one among all others to be harassed in every way. When the 1868 Act was passed the then president of the Conference said: "The Government shows a disposition to help pharmacy and will give preference to those who pass our examination; in return we are bound to fulfil our trust and discharge the moral obligations they have entrusted to our care." Was that not just what was

being said to-day in connexion with the present Act? The economic problems of pharmacy had become so acute that they must get the Council to tackle and fully understand their root cause. It was increasingly evident that capital had pharmacy on the run and was determined to eliminate, for purposes of gain, professional control in the selling of drugs and medicines. It should be the business of the Society to inquire into this disintegration.

The Southampton delegates announced that they withdrew their motion so as to support the Liverpool resolution.

Mr. S. KIRBY (Bradford) said his branch supported the Liverpool motion from a different point of view. Out of the sixteen countries who replied up to April 11 to a *questionnaire*, Britain, France and Belgium were the only ones where dispensing by doctors was permitted where pharmacies existed, and in Belgium new regulations were in preparation to bring them into line with other countries.

Mr. J. T. APPLETON (Sheffield) asked if Mr. Tristram could insert the words "for sale" after the word "medicines." The speaker did not agree that they could not have had a better twenty-one men on the Council, and suggested that the new quarter of a dozen members were "the little bit of yeast" that would stir up the Council.

THE SECRETARY thought the Liverpool resolution was on the narrow side and that Mr. Appleton's suggestion made it still narrower. Many doctors would claim that they did not sell poisons, and in hospitals they were not sold. On behalf of the Council he could say they considered the time had come, without waiting for either the "leaven" to work or things to settle down, for pharmacy to frame its policy for the next five or ten years. That was not a thing that could be hurried. The Council would, he thought, be prepared to spend the next year in examining this question from the widest possible point of view and hoped to come to them next year—and a year was a very small matter in the history of pharmacy of any sort—with the best proposals they could on a broader field. The whole existence of the Pharmaceutical Society and of pharmacists rested upon the fact that there never had been in this country serious restriction on the practice of medicine. If there had been any legislation in the seventeenth, eighteenth and nineteenth centuries restricting medicine, pharmacy as they knew it would never have poked its head up at all. Then they had to consider the effect of claiming dispensing from the doctor. What was the obvious repercussion on the other side? The doctor claiming counter prescribing from the chemist. Supposing they were prepared to give up counter prescribing, would they get the herbalists prepared to give up their type? No. What were they going to do with the apothecaries' assistants? Then they had the consideration of the drug-store proprietors and the large class of people who disposed of drugs and herbs; then political parties themselves and bodies such as the co-operative societies. What was the attitude of the Ministry of Health? He only put those points before them as indicating that this was not a rush job. They had to take each of those factors and see how it affected the proposals they all had at heart. It was easy in a Conference like that to identify what is good for pharmacy with what is good for the community. But it was much more difficult to do that in the House of Commons. This country had a real reputation for freedom. The practical application of that to pharmacy was that if they wanted to buy a shop they could buy it; and the same with selling a shop. They had to be careful that they did not lose as citizens more than they gained as pharmacists. Would Liverpool and Tees-side agree to the withdrawal of their precisely worded resolutions?

Mr. TRISTRAM accepted the proposal, provided the meeting was unanimous. They hoped that when the Council was thinking over these things they would not adopt the too common attitude of putting up seemingly irresistible obstacles. The economic problems were so intense that they were the only important thing to-day.

Mr. RATCLIFFE (Harrow) said the ground covered by Tees-side and Liverpool more or less covered the ground of his branch, but he would like to stress that they felt there was an upward and forward tendency in the ranks of the young pharmacists. They would like to see some action taken quickly.

LIMITATION OF SHOPS

Mr. W. R. BRACKENBURY (Tees-side) moved: "That the Society should, either by means of powers already possessed, or by means of powers which it should take immediate steps

to acquire, have regard to the number of pharmacies already established in any area, when granting registration to any new pharmacy; and should, if it consider the needs of the population of the area already adequately provided for, refuse further application for registration of premises in that area, until it considers existing premises no longer adequate." In moving the resolution he referred to the possibility of State control. But Mr. Mallinson had said recently, he continued, that they were controlled by about two dozen Acts of Parliament and were visited regularly by half a dozen inspectors, so they were used to that. The public would probably be better served by a limited number of larger, well-conducted, well-stocked shops, employing qualified assistants, than by a multitude of small shops, run with a minimum stock and employing no labour or perhaps an errand-boy. These new-comers often ruined established businesses without profiting themselves.

Mr. R. MACDONALD MURRAY (Tees-side) seconded the resolution.

A DELEGATE: I should like the chair to say whether we have the power to carry out this resolution.

THE SECRETARY: We have no power, of course; it would require an Act of Parliament. I think it might be a pity to take a vote on such a drastic subject.

It was agreed to drop the resolution.

SALARIES

Mr. A. H. WARE (Plymouth and District) moved: "That the minimum salary advertised in the official organ of the Society be raised to £250 per annum." He said there was a very large naval and military population in Plymouth, in which many petty officers were earning more than qualified pharmacists, and that lowered the status of pharmacy.

The resolution was formally seconded.

Mr. W. EADDIE (Leeds and District) moved as an amendment: "That an advertisement appearing shall be deemed to be at a salary not less than £200 per annum." He said his branch wished to strengthen the wording and focus attention on the point, so that it might be strictly observed.

Mr. N. N. ARMITAGE (Leeds) seconded. He said his branch made the minimum £200 not because they thought it sufficient but owing to the economic conditions of the moment. They knew of numerous cases where as soon as an advertiser got into communication with the applicant offers of £180 and even less had been made.

THE VICE-PRESIDENT (chairman of the Publications Committee) wished to raise a doubt whether the Society had any power to interfere or to control the rate of salaries. Under the Jenkin decision he thought they had no right to regulate wages. But they could control the salaries offered in their own Journal, and that was the object in inserting that provision in the advertisements. With institutions they had had some success. But that did not apply to the retailer. Did Plymouth really imagine that by putting a restriction at £250 they were going to raise the salaries to £250? If not, what was the object of doing it? One of the effects had been that men now did not state the amount of salaries they are prepared to pay. To ask for £250 would cause great hardship on the newly qualified with two years' apprenticeship, for where was he going to get it? It pressed also on the older man in pharmacy, who would be coming on to the Benevolent Fund because men could not afford either £250 or £200. The matter was perhaps better left in the hands of the Publications Committee. With regard to the amendment from Leeds it would be very difficult, even if desirable, to ascertain from any employer the exact figure he proposed to pay. As chairman of the Publications Committee he was anxious to retain advertisements in their own Journal. Did they want the world to be shown that they could get a qualified man at 35s., or on the other hand did they want the newly qualified man to believe that he could get £5 a week?

The Leeds amendment was put to the vote and lost, and the Plymouth resolution was also lost.

BRANCH DELEGATES

Mr. W. E. HUMPHREYS (Liverpool and District) moved: "That the number of delegates which each branch shall be entitled to send to a Conference of the Society shall be in direct proportion to the number of its members." He said that in a democratic body the delegates should actually represent the members. It seemed unfair to him that 100 members of

the Society in the branch should be represented by two delegates, when 1,500 had five only.

MR. M. S. HUGHES (Liverpool) seconded the resolution. Their friends in Wallasey, he said, had seventy-one members and sent two delegates. In Liverpool they had eight or nine people who would like to come as delegates. If it was not possible to secure a direct proportion of representatives, would the Council investigate the matter again to get a fairer proportion?

MR. ADAMS (secretary of the Organisation Committee) said that Liverpool rather wished to go back to the old system of direct representation in proportion to membership. The Council brought about the change of increasing the number of members required to secure one representative, because they felt that the old system did rather abuse the idea of representation, as some branches had as many as ten, twelve, and in one case sixteen delegates. They had to remember that the branches were represented there, and not a number of members. All branches were of equal status. The object of representation was to make clear the decisions and views of the branches; the number of representatives should be sufficient to do that and no more. Five were considered sufficient for any branch. Anything which suggested that a branch larger than another was a more important one was to be discouraged. In his view the present system was a satisfactory one.

THE PRESIDENT: Would it satisfy our friends from Liverpool and the other representatives if I promise them now that the Organisation Committee will take due steps to consider representation in the way they desire?

The Liverpool delegates agreed, on the understanding that the resolution would be sympathetically treated.

A DELEGATE: Would it not be better if the larger branches, such as Glasgow, Liverpool and Manchester split up into smaller units as in London, and so secured more delegates?

A LIVERPOOL DELEGATE: We should do that if we had to, but hope we shall be able to avoid it.

JURY SERVICE

THE PRESIDENT: I do not think we need Tees-side to develop the resolution: "That, in view of the fact that the pharmacist's calling requires his strict supervision at all times, the Society should endeavour to obtain exemption from jury service for pharmacists." If I tell you that the Council is sympathetic and will endeavour to obtain exemption from jury service, will that satisfy you? ("Agreed.")

A PROPOSED BUREAU

The Tees-side Branch had the following resolution on the agenda: "That the Society should institute a bureau with the object of enhancing the status of the pharmacist, i.e., to let the general public know the intricate and meticulous curriculum through which an intending pharmacist has to pass before being allowed to sit for his certificate of qualification."

THE SECRETARY: This is a matter on which there is a tremendous amount to be said. I think it would be unfortunate if we discussed it at the very end. Would they agree to bring it up at a future Conference? ("Agreed.")

OTHER BUSINESS

THE PRESIDENT: That leaves us with the proposed branch rules. The secretary informs me that at the secretaries' meeting this morning they were discussed.

THE SECRETARY said the outcome of that discussion was this: it was understood that any branch that wishes to adopt rules of its own which embody the fundamental principles of these rules is free to ask the Council to approve those rules in place of these. On that understanding, and with the suggestion to add a rule providing for the appointment of auditors to the branch, the secretaries' meeting recommended the adoption of these rules to the Conference. In the light of this the meeting may think it unnecessary to discuss them. ("Agreed.")

THE SECRETARY: A representative, Mrs. Skinner (North Metropolitan), points out that in Belfast there was a discussion upon our undertaking an inquiry as to the hospital service throughout the country. She asks when the report of that inquiry is to be made available. The request was carried out by Council and the *questionnaire* was sent to every branch secretary, asking for information as to the hospitals in that area. The information has been difficult to obtain in some areas and we are still waiting for about one-third. We will do our best to get the information and either publish it or report it to the next representatives' meeting.

VOTE OF THANKS

MR. J. T. APPLETON moved a vote of thanks to the president of the Pharmaceutical Society for the way in which he had conducted the meetings.

MR. J. L. HIRST seconded, and the vote of thanks was passed by acclamation.

THE PRESIDENT briefly replied.

A Curtailed Speech

WE have received from Mr. R. MacDonald Murray, Linthorpe, Middlesbrough, the notes of a speech that he prepared for delivery in proposing the motion at the branch representatives' meeting printed in the second column of p. 53 of this issue. Mr. Murray writes: "Owing to quite unnecessary rush and the very little time allocated to representatives at the branch representatives' meeting, time did not permit of my outlining in full the enclosed pharmaceutical economic problems." These problems (after slight compression) are thus expressed:—

(1) The ever widening province of pharmacy is quite beyond the scope of the doctors' training to-day. There are exceptions, of course; but it is becoming increasingly evident that the average doctor has no real training in pharmacy, and therefore has no real confidence in prescribing. One would assume that the doctor would take advantage of the peculiar service which only pharmacy and pharmacists could render him, but what do we find? We find that doctors, instead of leaning towards pharmacy, become a prey to the manufacturers of advertised ready-made mixtures and specialities in place of using the official and unofficial preparations which pharmacists are compelled to have a knowledge of. It is increasingly obvious that manufacturers, especially of foreign countries, have found in doctors a cheap and efficient means of advertisement; and the consulting rooms of doctors are filled with, and patients supplied with, "physicians' samples." . . . This leads to self-dosage on the part of the patient, and in turn his friends; and in this way much medicine is consumed over which neither pharmacist nor doctor has any control. Will doctors never realise that to diminish the importance of pharmacy is not necessarily to increase that of medicine?

(2) The extension of doctors' clubs makes an unfair inroad into the province of pharmacy; and this may well become a national evil in that the medical man seems to look to his profit to the supplying of medicine, in the dispensing of which he is allowed to employ totally unqualified and unregistered persons.

(3) In common with recognised and accepted wholesalers we have the following problems:—Wholesalers have sprung up of whose competency for the work nothing is known, and they wax fat by supplying distributors as incompetent as themselves with all kinds of medicines and drugs. To-day, through this type of wholesaler, the protection of the public is being frustrated and positively endangered, when drugs of all kinds, simple and compound, are being sold in market places and shops of all descriptions. In some districts it may be necessary, until a pharmacist becomes available, to have agents supplying simple remedies; but such clearly defined medicaments should be packed, and the name of the duly registered M.P.S. guarantor stamped on them (not that of an unqualified wholesaler).

(4) Stores of all kinds of dealers sell drugs at very low prices: this in order to act as a bait to attract their customers to purchase more profitable articles from them. Our economic difficulty is that while a 5 or 10 per cent. profit may remunerate the distributor who is only a trader, it is quite inadequate for the pharmacist, who is now compelled by law to employ qualified and educated control in connexion with the sale of drugs. It is right and just that there should be control, but why make such control applicable to pharmacists only? Purchasers of food are more or less protected from purchase of bad food by their personal powers of observation; this does not apply in the case of drugs: hence external protection of the public is necessary in pharmacy in common with all other professions.

Trade Notes

INFLUENZA VACCINE.—Genatosan, Ltd., Loughborough, announce a reduction in the price of their Genora oral vaccine for colds and influenza.

SUMMER BEVERAGES.—Burgoyne, Burbidges & Co., Ltd., East Ham, London, E.6, are offering an attractively packed range of grapefruit, lemon, lime and orange fruit crushes.

BUYERS OF RAW MATERIALS for the manufacture of per-fumery are invited to apply to Standard Synthetics, Ltd., 76 Glenthams Road, Barnes, London, S.W.13, for quotations.

BUTY-TONE PRODUCTS.—Beauty Proprietaries, Ltd., Eagle House, Jermyn Street, London, S.W.1, announce that national advertising of Buty-Tone preparations is to commence shortly.

PYREX SYRINGES.—The address of the head office of the General Surgical Co., Ltd., manufacturers of Pyrex hypodermic syringes, is Gensurco House, Rosebery Avenue, London, E.C.1.

HARLENE SHOWCARDS.—Edwards Harlene, Ltd., 20 Lamb's Conduit Street, London, W.C.1, illustrate in their advertisement in this issue two new Harlene showcards which may be obtained upon request.

SURGICAL DRESSINGS.—Robert Bailey & Son, Ltd., Marriott Street Mills, Stockport, are making a bonus offer in connexion with their Steraid surgical dressings. Details are given on another page of this issue.

THE NATIONAL DISPLAY CONVENTION is to be held in British Industries House, Oxford Street, London, W.1, on August 31, September 1 and 2. Details may be obtained from the Secretary, Miss M. Scott, 61 Poland Street, London, W.1.

GLAXO LABORATORIES, LTD., Greenford, have recently made two additions to their attractive series of metal showcards. They relate to Adexolin and Glucose-D. These display aids are illustrated on the front cover of the July issue of the "G.L. Journal," a copy of which was recently sent out to chemists.

A NEW CATALOGUE.—Sangers, Ltd., 258 Euston Road, London, N.W.1, have issued a new edition of their catalogue of proprietaries, druggists' sundries, packed goods and photographic materials. Chemists who do not receive a copy of this valuable list within the course of the next few days can obtain one on a postcard request.

MEDICAL SPECIALITIES.—Coates & Cooper, Ltd., 94 Clerkenwell Road, London, E.C.1, have been appointed distributors of the pharmaceutical specialities manufactured by C. F. Boehringer & Soehne G.m.b.H., and Vereinigte Chininfabriken Zimmer & Co., G.m.b.H., Mannheim-Waldhof and Frankfurt a/M. Medical propaganda is to be undertaken in connexion with Digiverson, Iminol, Kombetin, Ceridin, and Validol.

INSECT PESTS.—Jeyes' Sanitary Compounds Co., Ltd., 99 Regent Street, London, W.1, have recently placed on the market under the name of Pyagra a biologically standardised insecticide which is stated to be particularly useful in the destruction of ants in bakehouses. Further details of this preparation will be sent on request. Pyagra has also been found most effective in destroying bed bugs, black beetles, wasps and similar pests.

A NEW PHOTOGRAPHIC DEVELOPER.—Johnson & Sons Manufacturing Chemists, Ltd., Hendon, London, N.W.4, have introduced under the name of Meritol a new photographic chemical which, it is claimed, will produce negatives of the finest grain. Meritol is stated to give results at least equal to paraphenylenediamine, and at the same time to have the following advantages:—(1) Keeps excellently in crystalline form or solution; (2) it is more rapid in action; (3) it has less staining and fogging properties. A leaflet giving details of the formula for the developer and the time of development with many of the well-known films will be supplied on application. Messrs. Johnson are also supplying a super-fine-grain developer containing Meritol. Negatives developed by this preparation have many of the characteristics of physical development, being brown or warm black by transmitted light and cream by reflected light, and enlargements of twenty diameters or even more may be obtained without noticeable grain.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1936, p. 322.

(From "The Trade Marks Journal," June 17, 1936.)

"FANGAT"; for medicinal mud packs (3). By Vereinigte Eifelfangwerke Neuenahr G.m.b.H., 50 Burgstrasse, Heppingen bei Bad Neuenahr, Germany. 568,259.

"BIENYL"; for chilblain remedy (3). By J. Mitchell, Post Office, Annan Road, Gretna, Dumfriesshire. 568,492.

"ARISTOSAN" and "ARISTOTROP"; for all goods (3). By Aristopharm Fabrikations A.-G., Elisabethenstrasse 56, Basle, Switzerland. 568,575/576. (Associated.)

Label design with galleon including the words "MAYFLOWER BRAND"; for medicinal oil of peppermint (3). By W. H. Hobbs & Co., Ltd., 1, 2, 3 Trinity Place, London, E.C.3. 566,381.

"SUNIX"; for surgical goods, etc. (11). By Watson & Sons (Electro-Medical), Ltd., 43-47 Parker Street, London, W.C.2. 567,272. (Associated.)

"LEZOR"; for mineral and aerated waters (44). By E. Pennington, 1 Carlton Road, Worksop, Nottinghamshire. 567,418.

"MY LADY"; for mineral and aerated waters (44). By G. F. C. Gotheridge, 248 Main Road, Gidea Park, Romford, Essex. 568,617.

"YIROS"; for cosmetics (48). By K. Matejka, Brno, Dlouha-S, Czechoslovakia. 567,036.

"AIRFLOW"; for perfumery, etc. (48). By F. E. Capelle, 21 Arthur Street, London, W.C.2. 567,077.

"NEUTRAWELL"; for perfumery, etc. (48). By Martha Schwarzkopf, 36 Albainstrasse, Berlin-Tempelhof, Germany. 568,717.

Label design with the words "Dr. Weil's Perondul" ("Dr. Weil" disclaimed); for hair preparations (48). By Chemisches Laboratorium Dr. L. Weil, 80 Schluterstrasse, Hamburg 13, Germany. 567,245. (Associated.)

(From "The Trade Marks Journal," June 24, 1936.)

"MEDROGA"; for photographic chemicals, etc. (1); for agricultural chemicals, etc. (2); for medicinal chemicals (3); for mineral waters (44); and for perfumery, etc. (48). By The British Medroga Co., Ltd., 176 Wardour Street, London, W.1. 560,183/184/185/189/191. (Associated.)

"THROMSAC"; for agricultural chemicals, etc. (2), and for medicinal chemicals (3). By Boots, Ltd., 37 Station Street, Nottingham. 567,011/012. (Associated.)

"NITRACAL"; for fertilisers (2). By Deep Sea Products, Ltd., 4 Cophthall Chambers, London, E.C.2. 568,872.

DR. L. TELL (Signature); for medicinal chemicals (3). By L. Tell, Frankfurter Allee 56, Berlin. 567,903.

Bottle with the word "LESCOL"; for medicinal chemicals (3). By The London Essence Co., Ltd., 53 Glengall Road, Peckham, London, S.E.15. 568,008. (Associated.)

"LACVIT"; for preparations for chilblains (3). By H. L. Walsh, 12 Adelaide Terrace, Blackburn. 568,248.

"AXIRENE"; for medicinal chemicals (3). By Etablissements Pastival, S.A.R.L., 27 Boulevard Bourdon, Paris (IVe). 568,310.

"ZANT"; for medicinal chemicals, excluding soap (3). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool. 568,434.

"PERANDRONE" and "ESIDRONE"; for all goods (3). By The Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle, Switzerland. 568,761. (Associated.) 568,848.

"MEDISED"; for medicinal chemicals (3). By Savory & Moore, Ltd., 61 Welbeck Street, London, W.1. 568,885.

Cartoon design with word "Stillade" (use of device of bottle disclaimed); for mineral waters (44). By J. Robertson & Son, 44 Taits Lane, Dundee. 567,318. (Associated.)

Oasis design with word "Oasis" and name of manufacturers; for mineral waters (44). By Southend Mineral Water Co., Ltd., The Chase, Bournemouth Park Road, Southend-on-Sea. 567,510.

Oval with words "Odo-Ro-No" and "ICE" ("ice" disclaimed); for deodorant (48). By Northam Warren, Ltd., 211 Blackfriars Road, London, S.E.1. 568,582. (Associated.)

"MELISANDE"; for cosmetics (48). By F. Koeller & Co., 5 Elisabeth Breuerstrasse, Cologne, Germany. 567,172.

"DEDICAE"; for perfumery, etc. (48). By Parfumerie Houbigant, S.A., 19 rue du Faubourg Saint-Honoré, Paris. 568,825.

"WESTERN GLORY"; for perfumery, etc. (48). By Western Counties Products, Ltd., 25 Jamaica Street, Stokes Croft, Bristol. 566,764.

Births

Notices for insertion in this column must be properly authenticated.

FINDLAY.—At Faemore, Meadowhead Road, Plains, Airdrie, on July 1, the wife of David Findlay, M.P.S., of a daughter.

HENRY.—At Gorebridge, on June 29, the wife of Robert Henry, chemist and druggist, Brighton, of a son.

HOURSTON.—At 71 Great King Street, Edinburgh, on July 2, Vera, wife of W. A. M. Hourston, M.P.S., 62 Inverleith Road, of a daughter.

MUNRO.—On June 29, the wife of A. T. Munro, chemist and druggist, 18 Halbert Street, Shawlands, Glasgow, of a son.

Marriages

BAIRD—KIRKPATRICK.—At Knock Presbyterian Church, Belfast, on June 29, Ronald Baird, B.Sc., A.M.I.C.E., Public Works Department, Nigeria, to Kathleen Moreland Kirkpatrick, B.Sc., younger daughter of Mr. D. L. Kirkpatrick, Ph.C. (secretary, Pharmaceutical Society of Northern Ireland), 9 Sandown Park, Belfast.

GRIFFIN—GEERING.—At St. Peter's (City) Church, Bristol, on June 30, by the Rev. R. K. Paget, M.A., Reginald Edward Griffin, M.P.S., only son of the late Edward James Griffin, "Rowallan," Park Grove, Henleaze, to Rose Hilda, eldest daughter of Mr Fred Geering, "Standlynch," Wanscow Walk, Henleaze, Bristol.

KAY—THOMSON.—At Minto Hotel, Edinburgh, on June 20, David Ritchie Kay, chemist and druggist, to Isobel H. N. Thomson.

KERR—TAYLOR.—It Largs, on June 24, James Alexander Kerr, chemist and druggist, Paisley, to Catherine Kennedy Taylor, chemist and druggist.

URCH—GOODE.—At St. Philip's Church, Milltown, Dublin, on June 24, Robert Graham Urch, L.P.S.I., to Sheelagh Goode.

Silver Wedding

DORAN—TAFT.—At St. George's Presbyterian Church, East London, South Africa, on July 17, 1911, by Rev. George Blair, James B. Doran, L.P.S.I., Aliwal North, C.P., to Margaret Taft, Barrow-in-Furness, England.

Deaths

ALEXANDER.—At Tower Bank, Innellan, on June 24, Mr. John Alexander, chemist and druggist, 48 Mitre Road, Jordanhill, Glasgow. Mr. Alexander qualified in 1885 and was associated with John Jaap & Co., chemical manufacturers, Glasgow.

COUNT.—At 17 High Street, King's Lynn, on July 5, suddenly, Mr. Cyril Guy Count, aged forty-eight. Mr. Count was the only son of the late Mr. Sydney Count, chemist and druggist, whose business he continued.

HEDLEY.—At 92 High Street, Rushden, on June 23, Mr. Charles Alfred Hedley, chemist and druggist, aged seventy-six. Mr. Hedley was formerly in business at Olney; later at Sunderland; and from 1903 in Rushden. He leaves a widow, two daughters and a son, who is continuing the business.

MACK.—At a nursing home in Johannesburg, South Africa, on June 11, Mr. George Mack, chemist and druggist, formerly of Aberdeen and Galashiels. Mr. Mack qualified in 1900.

TILLEY.—At his residence in Leigham Court Road, Streatham, London, S.W.16, on June 22, Mr. James W. Tilley, F.C.S., aged seventy-two. Mr. Tilley was for a considerable period, prior to his retirement, joint managing director of Stevenson & Howell, Ltd., manufacturing chemists, 95A Southwark Street, London, S.E.1.

CHAMBERS.—On July 5, after a long illness, Mr. Percy Holland Chambers, chairman and managing director of Thomas Tyrer & Co., Ltd., manufacturing chemists, Stirling Chemical Works, Stratford, London, E.15, aged sixty-nine. Mr. Chambers was educated at the Mercers School, London. He was admitted a solicitor in March 1893, obtaining first place in the First Class Honours List at the Final examination and taking the Clement's Inn, Daniel Reardon and John Mackrell prizes, and the Scott scholarship. Mr. Chambers was the senior member of the firm of Brash Wheeler, Chambers, Davies & Co., solicitors, 16 Paternoster Row, E.C.4, and Chambers, Garnett & Chambers, of Finchley. He had been associated with Thomas Tyrer & Co., Ltd., prior to the incorporation of the company in 1908. Mr. Chambers was also chairman of Cellon, Ltd., dope and lacquer manufacturers, Kingston-on-Thames.



Photo]

[Elliott & Fry

MR. P. H. CHAMBERS

Personalities

MR. C. C. VALLI, managing director of Coty (England), Ltd., 3 Stratford Place, London, W.1, informs us that he has never had any connexion with Parfumerie de Raymond, Inc., New York, U.S.A., who are reported to be introducing into this country products under the name of Valli Lily.

MR. G. D. ELSDON, county analyst for Lancashire since 1925, has been awarded the D.Sc. in applied science by Birmingham University for original investigations in analytical chemistry. Mr. Elsdon graduated B.Sc. at Birmingham, where he became assistant city analyst; he was appointed public analyst at Salford before taking up his present position.

Business Changes

BEITH CO-OPERATIVE SOCIETY, LTD., have acquired the business of Mr. W. R. Pinkerton, chemist and druggist, 19 Main Street, Beith, Ayrshire.

MR. WILLIAM TEMPLE, chemist and druggist, Airdrie, has acquired the business of Mr. A. H. Fleming, chemist and druggist, 323 Paisley Road West, Glasgow.

WOODLANDS CHEMISTS, LTD., have opened a pharmacy at 13 Market Place, Ely.

A. DE ST. DALMAS & Co., LTD., Junior Street, Leicester, have purchased the stock and goodwill of Clark, Nettleship & Bailey, wholesale chemists, Stamford Street, Leicester, as from July 9.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, July 15

Pharmaceutical Society, Leeds and District Branch, Golden Acre Park, from 3.30 p.m. Summer outing, Yorkshire high tea, 4.30 p.m. Dancing, 8.0 p.m. Entrance and tea, 2s. Entrance and dance, 1s. Tickets from secretary.

Thursday, July 16

Sheffield Pharmacists' Golf Meeting, Sicklehouse, Bamford. Meet Squire's, King Street, Sheffield, at 2.15 p.m.

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-
hand suppliers of the undermentioned articles will be appreciated.

F/87. Crylarsan brand Neo-cryl	E/87. Lilia Mayle toilet pre- parations
E/87. Glucosone tablets	P/87. Tate Salts
B/37. Lassarine	

THE CHEMIST AND DRUGGIST

VOL. CXXV.

July 11, 1936

NO. 2944

The Fixing of Standards

THE recent "lysol soap" cases (*Stott v. Green and Stott v. Henshaw*) which were together before a Divisional Court recently (*C. & D.*, May 23, p. 588) on case stated by the stipendiary magistrate at Salford, carry the intervention of the Courts a distinct step further in the direction of fixing standards for commodities which are not fixed by statute or under statutory powers; and they open up a wide question which, sooner or later, will have to be dealt with by Parliament. The standardisation of most substances of this kind is in principle desirable; but what the decision of the Divisional Court amounts to in practice is that under the Merchandise Marks Acts the uncontradicted opinion of a public analyst in a police court prosecution is to be effectual as fixing a definite standard of composition for any commodity. And that, in our view, ought not to be allowed to develop unchallenged as a recognised method of fixing standards.

Under the Adulteration Acts a practice has grown up on precisely the same lines. Decisions of the High Court have laid it down that where there is no statutory standard for the article demanded, it is the duty of magistrates to fix for themselves a standard based on the evidence before them. The decisions in the two cases in question are important inasmuch as they extend the same principle to prosecutions under the Merchandise Marks Acts. The facts in both cases were that a manufacturer supplied to a retailer an article termed "medicated lysol soap," and this was sold by the retailer to an inspector of the local authority who subsequently prosecuted the retailer for selling the soap under a "false trade description." The public analyst called for the prosecution stated in evidence that the soap, to be described as "lysol soap," must contain at least 2 per cent. of lysol; but that was obviously the witness's own personal opinion and was not supported by any authoritative scientific pronouncement such as would have been required, for example, for a drug or chemical in the British Pharmacopœia. The stipendiary magistrate took the view that he had no power to fix a standard under the Merchandise Marks Acts, but added that if he had such power he would have fixed it at 1 per cent. As, however, he had no power he dismissed the summonses. The Divisional Court held in substance that he had the power and should have exercised it, and, inasmuch as the percentage of lysol found in the soap in question was less than 1 per cent., decided that the cases must go back with instructions that the defendants were to be convicted.

The power which magistrates have to fix standards under the Adulteration Acts is derived, not from the Acts themselves, but from High Court decisions in several cases. Our view is that standardisation of any commodity can only properly be effected on the same lines as have been adopted in fixing the standards of the British Pharmacopœia—that is to say, that instead of fixing standards in such cases by allowing magistrates to adopt the uncontradicted evidence of a single analyst (sometimes in regard to substances as to which there might be wide divergence of

opinion amongst experts), such standardisation ought to be done officially and to be based upon representative and authoritative opinions.

Chinese "Menthol and Oil"

IN the columns of this issue (p. 63) we give the trade the first information regarding the arrival on this market and in the United States of America of shipments of menthol and peppermint oil from a new source—China. Good commercial quantities have already been landed here and sold, and regular supplies are promised for the future. From the information available it seems the quality of the two products is satisfactory, being at least equal to that of the menthol and oil shipped from Japan. This new source will be outside the speculative sphere of the Japanese market. The effect of the sales policy which, it is stated, will be to promote business at prices slightly under the current spot and shipment quotations ruling for the Japanese products, will, of course, depend upon the quantities shipped to this market from Shanghai. It may be some time before the shipments seriously challenge the market handling the Japanese products.

Reports from Japan indicate that efforts have been made to set up a Government monopoly for menthol and peppermint oil. Cabled inquiry to Kobe has brought a reply to the effect that the proposal found favour with the farming community, as the monopoly would, or should, bring with it stabilized values. One of the manufacturers is also stated to have supported the idea, but the other producers are reported to have opposed it. Unless the proposed monopoly has the support of the entire industry the plan is not likely to materialise. At the same time the idea of a monopoly has not been dropped; it is still a possibility of the future, according to our news from Kobe. One other point that should be noted is that synthetic menthol was included in the United States Pharmacopœia, as from June 1 last. From now onwards we shall keep the trade fully advised of current prices of, and developments in, the Chinese products and the English synthetic menthol, in addition to continuing our former weekly reviews on the Japanese products and the American peppermint oil.

Doctors and the Fourth Schedule

WE thank "The Lancet" for the brief "annotation" in its issue of July 4 on the subject of Fourth Schedule poisons. Judicial in tone, the article recognises that medical practitioners, like pharmacists, must adjust their daily routine to the increasing fondness of Government departments for codes of meticulously—if not coherently—devised regulations. We may quote a few sentences:—

"It is alleged that a few medical practitioners who prior to May 1 had written prescriptions containing barbiturates have since that date supplied barbiturates to their patients instead of sending them to the chemists with fresh prescriptions. The chemists, as we learn from our contemporary, THE CHEMIST AND DRUGGIST, fear that this may become an extensive practice and see in it a danger to their livelihood. We do not think there are good grounds for this fear. . . . But it might be a sympathetic gesture, on the part of those medical practitioners who are inclined to do what the law entitles them to do, to fall into line with the newly created circumstance. What is lawful is not always expedient."

Chemists, on their part, will no doubt observe a sense of proportion in this matter. Their local medical men presumably read "The Lancet"—and we have reason to know that an appreciable number of doctors in practice read THE CHEMIST AND DRUGGIST; the contents of the Schedule and of Rule 12 should therefore be soon as familiar on the one side as on the other.

New Zealand Committee on Company Pharmacy in the Dominion

THE subject of company pharmacy continues to exercise the minds of everyone connected with pharmacy in New Zealand. The previous Government restricted Boots, Ltd., to one shop in Wellington (now open) and one shop in Auckland (not yet opened), pending the presentation of the case to the Government by all parties. In the meantime there has been a change of government. In a petition presented to the House of Representatives, on behalf of the president of the Pharmacy Board of New Zealand, claims were made that pharmacy should be placed on the same footing as other professions in New Zealand, and that the provisions, privileges and law relating to limited liability companies should not operate in relation to it. On April 30, the Industries and Commerce Committee of the House of Representatives sat to hear evidence from the petitioners. After Boots, Ltd., through their representatives, had contended that their operations would be a distinct advantage to New Zealand, the hearing was adjourned.

Case for the Pharmaceutical Society of New Zealand

The hearing was resumed on May 8 and subsequent dates, when the objections of the Pharmaceutical Society of New Zealand were placed before the Committee. Mr. F. C. Spratt appeared for the Pharmaceutical Society of New Zealand, Mr. A. H. Johnstone, K.C., for the Wholesale Drug Trade Association of Great Britain, Mr. H. F. O'Leary, K.C., with Mr. W. H. Cocker, for Boots, Ltd., and Mr. E. T. Hogg for the Friendly Society Dispensaries of New Zealand. The Society urged the desirability of legislation to provide: (a) That no new companies be allowed to commence business as pharmaceutical chemists either solely or in conjunction with other businesses; (b) that no one other than a registered chemist be allowed to commence such a business; (c) that existing companies and unregistered proprietors be limited to the premises in which they now carry on their business or equivalent premises; (d) that there be no interference with the present rights of the friendly societies; (e) that the Pharmacy Board, being the statutory body to control the profession, be given additional powers so as the more fully to ensure just and equitable standards of conduct by such members towards each other, their apprentices and employees, and the general public. Counsel said that since 1880 the profession in New Zealand had been regulated by statute. The Pharmacy Act, 1908, required that "only registered chemists may dispense prescriptions," but companies and non-registered chemists were enabled to carry on the business of pharmacy so long as they had a registered chemist in control of their dispensing. The majority of chemists could not economically dispense prescriptions at the rates charged by Boots, Ltd. That did not say that Boots' prices were right.

The first witness, Mr. H. J. S. Rickard (president of the Pharmacy Board of New Zealand) said that all the profession asked for was to be allowed to dispense prescriptions at reasonable charges. "In asking for protection the chemists of New Zealand refer only to that part of their business which consists of prescription work, that is, the dispensing of prescriptions of medical practitioners," said Mr. Rickard. "We raise no objection to competition with us in the sale of proprietary articles or of general merchandise, whether by other independent traders, such as grocers, drapers, departmental stores, or by chain-store organisations." On behalf of the Chemists' Assistants' Union in Auckland and Otago it was stated that a recent survey of Auckland showed that seventeen assistants' positions were in jeopardy if Messrs. Boots commenced business in that city.

Statistical evidence relating to the business and industry of the wholesale druggists was given by a witness who said he had collected the information at the request of the parties concerned. A questionnaire had been sent to all registered chemists. Of owner-chemists, 71 per cent. had replied. The age-grouping of 437 chemists indicated comparative absence of adaptability to other avenues of employment. Over 70 per cent. were married men. A total of 482 employees received very fair wage treatment, notwithstanding comparatively poor return to business owners. The position regarding employment

was not improving under present conditions. The questionnaire showed that 89 per cent. of pharmacies were open for business up to ten hours a day (the average being about nine and a half hours); the remaining 11 per cent. were open for periods up to fifteen hours. Night-bell facilities were available at 23 per cent. of pharmacies. Thirty-two per cent. served friendly societies at reduced rates covering a membership of more than 18,000 persons, upon whom approximately 41,000 persons were dependent. This was exclusive of friendly societies' own dispensaries. The chemists had maintained their service to the public notwithstanding severe competition from grocery, drapery and chain department stores, and inability to pass on sales tax. Credit facilities extended by chemists averaged £1 a customer over 29,509 customers. Evidence in support of the case presented by the Pharmaceutical Society was given by Mr. C. L. Butchers, the registrar of the Pharmacy Board of Victoria. He was of opinion that the pharmaceutical profession in Victoria was on a high level, mainly because it was a strictly individual one, and also because the Pharmacy Board had powers which enabled it to control and discipline pharmacists guilty of improper practices.

Case for Boots, Ltd.

On behalf of Boots, Ltd., a brief history of the inception, growth and present status of the organisation was given, mention being made of various staff welfare schemes. The chairman, it was stated, had intimated the company's willingness to co-operate with the Government in the establishment of a national health scheme in New Zealand. The committee should know that of the total business of the company in England 87 per cent. was confined strictly to pharmacy. The entire control was in British hands. Counsel submitted that Boots were not a chain store in the true sense of the word. They were chemists, and their stock was no different from that carried by any well-equipped chemist in Wellington or elsewhere. There could be no mass production of prescriptions. "If you prevent Boots from carrying on business here you will bring about an abandonment of the competitive principle and destroy a public advantage," he added. Mr. C. L. Saul said he was largely concerned with the retail development of Boots, Ltd., by the acquisition of new shops and the purchase of businesses. It had been their experience in England that the opening of a new branch had resulted to a large extent in the creation of new and additional business, which would not otherwise have come about. Their turnover had not been entirely at the expense of existing businesses. For that reason the private chemists of Great Britain had prospered, in spite of competition, while the private chemists of New Zealand were in the unenviable position revealed. Mr. Saul said that in Great Britain Boots had far from a monopoly of the chemist business, nor did they aim at one in New Zealand. In Great Britain they had purchased a large number of businesses on the basis of a willing buyer and a willing seller. They would welcome an opportunity of extending their activities in New Zealand on the same basis of mutual advantage. He was authorised to say that when the company was in a position to justify by actual trading figures any invitation to capital subscription, it would give favourable consideration to an issue open to the New Zealand public.

Mr. D. S. Henderson (general manager and director of Boots the Chemists (N.Z.), Ltd.) said that the company's policy would be to employ practically all New Zealand staff, bringing from England only the minimum number of senior assistants who were familiar with the business methods of the company. Even that would be discontinued at an early date when they had had time to train the New Zealand staff. They intended, as opportunity arose, to send selected members of their chemist staff to England to see their factories and to obtain some experience in their shops at home. The manufacturing manager of Boots Pure Drug Co., Ltd., Nottingham, said he was authorised to state that in the event of no restriction being placed upon the activities of Boots the Chemists (N.Z.), Ltd., the company would commence the erection of a factory in New Zealand within twelve months. The hearing concluded on May 21.

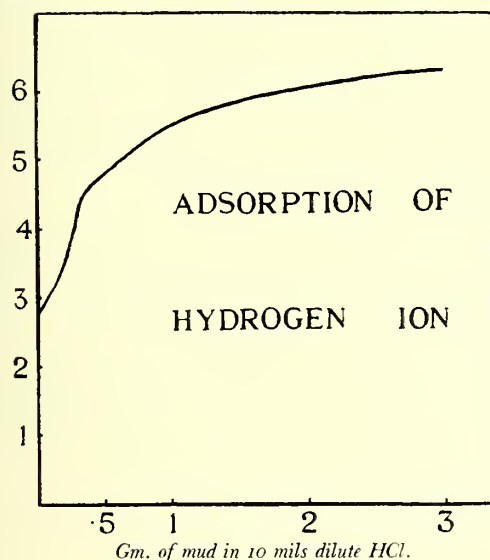
Peloids: Researches and a Report

THE progress made towards adequate classification of peloids ("any naturally produced medium consisting of a uniform mixture of finely divided organic and/or inorganic solid matter and water, such as is applicable in medical practice as a cataplasm for external treatment") has received mention on several occasions in the columns of THE CHEMIST AND DRUGGIST since the first classification into six groups was described in the issue of November 11, 1933. In the current issue of "Archives of Medical Hydrology" (July 1936) A. Woodmansey and S. Linfoot contribute "A Preliminary Study" on "The Adsorptive Properties of Peloids," based on investigations carried out at Harrogate. The following are the principal passages.

Adsorptive Properties

Adsorption denotes the concentration of ions or colloidal particles which occurs owing to surface tension at the surface between two phases, as where solid and liquid are in contact. In an ordinary bi-phase system consisting of liquid and solid in bulk, the surface area of contact is small in relation to volume and adsorptive effects may be inappreciable. However, when the solid phase is reduced to an extremely fine state of subdivision, as in a colloidal solution, then the total surface area is relatively very great and adsorption becomes pronounced. In a colloid system, such as a peloid, consisting of a disperse phase in water, ions or other particles become concentrated and fixed around the individual colloidal particles of the peloid. The mechanism of this fixation is chemical in nature.

Analysis shows the Harrogate fango to consist of:—Silica, 71.4 per cent.; aluminium oxide, 13.7 per cent.; organic matter, 12.0 per cent., with small amounts of sulphur, iron, manganese and titanium. Each constituent is in a fine state of subdivision, very largely colloidal. Brownian movement may readily be observed under the microscope. The mud is a good insulator of heat and so is enabled to retain its thermal charge. A suitable dilution of hydrochloric acid was made up. Ten mil quantities of the acid were added to a weighed portion of fango. After shaking and standing for



about ten minutes the pH of the suspension was measured potentiometrically, using quinhydrone electrodes. The temperature was maintained at about 17° C. A graph plotted from the results obtained, though slightly concave in its initial stages, later became the true adsorption type. Experiments to show the extent of adsorption of a neutral salt, sodium chloride, were made. The results were negative, i.e., either there is no appreciable adsorption or else the fango is already saturated with adsorbed sodium chloride. Two examples of basic dyes, methylene blue and night blue, and one of an acid

type, congo red, were used. They were all Grüber pure stains. Twenty mls of a 1:10,000 solution were shaken with a weighed quantity of fango. After fifteen minutes the mixture was filtered through No. 40 filter-paper and the unadsorbed dye estimated colorimetrically. The same dye solution filtered (to cancel the effect of adsorption by the filter-paper) served as the standard. These results show the fango to be a very effective adsorbent of basic dyes, especially methylene blue. The acid dye is little affected.

It may be concluded from this that fango is a negatively charged colloid with a powerful affinity for positive ions. Tests were carried out using *Bacillus coli communis* as a representative motile organism, and *Staphylococcus aureus* as a representative non-motile organism. Appropriate suspensions of the live organisms were prepared in 100-ml quantities and preliminary cultures made; 10 gm. fango, previously sterilised, was added and the mixture shaken. Cultures were made (a) after standing one hour to allow the grosser particles to settle and (b) after filtration through varying grades of filter-paper. Under (a) the number of organisms of *Staphylococcus aureus* was reduced from 165 to 46. Under (b), control experiments were carried out by passing suspensions of the organisms through the filter-papers without added fango. The results showed a maximum decrease of 64 per cent. of non-motile and of 37.7 per cent. of motile organisms in the simple suspension, compared with maximum decreases of 92 per cent. and 95 per cent. respectively after the addition of 10 per cent. fango.

Microbiology

In the same journal, Professor L. Rubentschek, Odessa, suggests four principal problems as subjects of micro-biological investigations. These are:—

ORIGIN OF PELOIDS.—The rôle of microbes in the formation of pseudo-volcanic muds, sapropelites and certain other types; black muds in the seas, limans and salt lakes are already demonstrated to be microbiogenic sediments.

INFLUENCE OF MICROBES ON PHYSICAL AND CHEMICAL PROPERTIES.—Investigation of products resulting from the analytic or synthetic activity of microbes: organic or inorganic; colloidal or crystalline; soluble or insoluble; volatile or non-volatile; stable or variable.

QUANTITY, GROUPS AND ACTIVITY OF MICROBES.

SURVIVAL OF PATHOGENIC BACTERIA.—Whether the peloid in question has bactericidal action, or whether pathogenic bacteria are already present and can preserve their vitality in the medium for a prolonged period.

Report on Standard Measurements

The work at present accomplished by the International Standard Measurements Committee of the International Society of Medical Hydrology is summarised by the chairman (Dr. S. Judd Lewis) in the "Archives of Medical Hydrology" (14, 3, 164). A final report is to be presented subsequent to the meeting to be held in Austria in October 1936. Dr. Lewis states that it is impossible to co-ordinate the various views held regarding natural origin and formation of peloids or to base any generally useful classification on the conditions of such origin or formation. Mud may be classified into volcanic muds, limons, limans, estuary muds, etc., and the peats into sphagnum peats, vascular peats, etc. Such a classification would be very convenient to the physician in the consulting room, but in order to render it valuable the whole must be practical and systematic, and the several classes must be (1) named and (2) defined. Two subjects call for consideration: (1) The bringing of the sample into some defined condition, and (2) a method for determining the consistence when the peloid is in that condition. In view of the clinical application of the peloid being the only subject of practical interest, the consistence of the peloid is of significance only in relation to the "wet state" of the peloid as used in the clinic and at the temperature at which it is applied: it must be uniformly mixed. The views of members are asked with the object of obtaining a satisfactory definition for water capacity; determinations of absorptive and colloidal properties, transfer of heat, and macro- and micro-biological characters; and standard formulas for size of particle and sedimentation test.

Chaulmoogra Oil

A VALUABLE PAPER on chaulmoogra oil appears as a report of recent investigation on the subject at the Imperial Institute ("Bulletin," xxxiv, 2, 145). The sample reported upon was prepared from Nigerian seeds of *Hydnocarpus Wightiana*, obtained from the Conservator of Forests at Sapoba. The kernels yielded 64.3 per cent. of oil on extraction with light petroleum ether (calculated on the dry kernels). The oil was a soft, cream-coloured fat. Its characters are compared below with those of the British Pharmacopœia.

	Sample Tested	B.P. Figures
Specific gravity at 25° C. ...	0.9548	0.950-0.960
Sp. rotation in chloroform ...	+55.4°	Not less than +53°
Refractive index at 40° C. ...	1.4738	1.472-1.476
Melting point ...	24.2°	20-25°
Acid value ...	1.2	Not above 25
Saponification value ...	202.2	198-204
Iodine value ...	98.2	97-103

The sample contained only sufficient free acids to give an acid value of 1.2, and was not as soluble in 90 per cent. alcohol as the British Pharmacopœia requires (the higher the acidity the more soluble is the oil in 90 per cent. alcohol). The composition of the oil was investigated. The ethyl esters of the fatty acids were prepared, the mixed substance being a yellow oil of specific gravity 0.9105. About 350 c.c. was fractionally distilled under a pressure of 10 mm. in a current of dry carbon dioxide. Several distillations were necessary, and the final separations were as follows:—

Fraction	Temperature Range	Percentage Obtained	Rotation of Fraction
A ...	174-184°	3.5	+44°
B ...	184-189°	3.3	+45.5°
C ...	189-191°	20.8	+47.7°
D ...	191-193°	18.7	+48.2°
E ...	193-197°	14.5	+46.9°
F ...	201-203°	7.4	+44.8°
G ...	205-208°	10.6	+44.1°
H ...	208-209.5°	10.9	+44.1°
I ...	Non distillable residue	5.0	...

A general consideration of the above figures indicates that the ethyl esters consisted almost wholly of those of hydnocarpic and chaulmoogric acids. No evidence of the presence of palmitic acid was obtained. A fractional crystallisation of the fatty acids resulted in the following fractions being obtained:—

	Melting Point of First Crop	Melting Point of Second Crop
A ...	57-58°	47-49°
B ...	57-58°	48-49°
C ...	57-58°	47°
D ...	53°	49-50°
E ...	57°	...
F ...	61°	55-56°
G ...	66°	63-64°
H ...	67°	61-62°

These figures indicate that fractions A, B, C, and possibly D, consisted largely of hydnocarpic acid. Fraction E appeared to be an intermediate fraction containing a mixture of both acids, and F, G and H were probably chaulmoogric acid, together with a small amount of a liquid fatty acid. A final purification from fractions A, B, C and D yielded pure hydnocarpic acid, which had the following characters: Melting point 59°-60°, specific rotation in chloroform +67.8°, iodine value 100.6, and percentage of silver in its silver salt 29.8. From the fractions F, G and H chaulmoogric acid was obtained in a pure condition. It had the following characters: Melting point 68.5°, specific rotation in chloroform +57.6°, iodine value 89.1, and percentage of silver in its silver salt 27.9. The liquid fatty acid may be of similar constitution to chaulmoogric acid, but with a second double bond in the straight chain of the molecule. The report proceeds to deal with oil obtained from the seeds of *Hydnocarpus Wightiana* from Ceylon and Malaya, and from those of *H. anthelmintica* from

Malaya. The oil expressed from the seeds of *H. Wightiana* from the Ceylon seeds had the following characters:—

Specific gravity at 25° ...	0.9557
Specific rotation in chloroform ...	+59.8°
Refractive index at 40° ...	1.4740
Melting point (B.P. method) ...	24.5°
Acid value ...	1.4
Saponification value ...	201.1
Iodine value ...	99.1

The oil expressed from the Malaya seeds of *H. Wightiana* had the following characters, which are compared with those of a sample examined in Malaya:—

	Present Sample	Malay Sample
Specific gravity at 25° ...	0.9573	0.9534
Specific rotation in chloroform ...	+58° at 20°	+58.5° at 28°
Refractive index at 40° ...	1.4745	1.4770 at 27°
Melting point ...	22.2°	—
Acid value ...	0.3	0.1
Saponification value ...	205.1	202.1
Iodine value ...	98.9	99.9

The seeds of *H. anthelmintica* from Malaya gave the following results, which are compared with those from samples examined in Malaya:—

	Present Sample	Malay Sample
Average weight in grams ...	2.0	1.86-2.42
Shell, per cent. ...	66.7	65.7-68.2
Kernels, per cent. ...	33.3	34.3-31.8
Kernels—		
Average weight, grams ...	0.67	0.64-0.77
Moisture, per cent. ...	6.1	10.1-26.5
Oil in kernels as received, per cent. ...	50.2	53.7-42.5
Oil in water-free kernels, per cent. ...	63.0	59.7-57.8

New Books

Poucher, W. A.—*Perfumes, Cosmetics and Soaps*, Vol. II (5th edition). Pp. xiii + 426. 25s. Chapman & Hall, Ltd., 11 Henrietta Street, London, W.C.2. [This, the second volume of Poucher's work on perfumery, contains fourteen chapters devoted to the history of perfumery and the various matters dealing with modern perfumery and such allied subjects as fruit flavours. The first chapter, dealing with history, is very good. The later chapters include numerous formulas for every kind of perfume dealt with. Descriptions of the methods of obtaining the various perfumes are given, and the illustrations are excellent. This work should be useful to the perfumer or pharmacist who wishes to get information as to the building up of formulas for his own perfumes.]

Sucharda, E., and Bobranski, I. B.—*Semimicro-Methods for the Elementary Analysis of Organic Compounds*. Translated by Dr. G. W. Ferguson. Pp. iv + 52. 6s. A. Gallenkamp & Co., Ltd., 17-29 Sun Street, London, E.C.2. [The desirability of reliable methods for the ultimate analysis of small amounts of organic compounds, without the necessity of employing a microanalytical balance, has been a long-felt want among chemists. The difficulties involved have been successfully overcome by Sucharda and Bobranski, and the present publication gives precise details for carrying out the determination of carbon and hydrogen, nitrogen, halogens and molecular weight to an accuracy of ± 0.2 per cent., using only 20-30 mgm. of material for each analysis. Much ingenuity has been displayed by the authors in the design of the apparatus, notably in regard to the automatic regulator employed in the C-H determination, and the publishers are to be congratulated on bringing these methods, now being increasingly used on the Continent, to the notice of British chemists. The book is well printed and bound, and is singularly free from typographical errors. It can be recommended with confidence to everyone interested in organic analysis. The translation has been well done by a chemist used to this type of analysis.]

INTERNATIONAL LANGUAGE.—In an endeavour to demonstrate the application of Ido, a modified form of Esperanto, to chemical, botanical and pharmaceutical nomenclature, J. Laurent, a French exponent, prepared a translation into Ido of an issue of the "Journal de Pharmacie et de Chimie."

Bournemouth Echoes

By *Ænophus*

THE most interesting and exciting events at the Bournemouth meeting of the British Pharmaceutical Conference have been hitherto unrecorded in the pharmaceutical Press. This is quite understandable, seeing that to the ordinary pharmacist the only gatherings (except those of academic interest) were those at which representatives of the Society's branches were permitted to voice their views, and these meetings for some reason are not open for free reporting. An "official verbatim report" is supplied for the consumption of the pharmaceutical proletariat, and, as can be imagined, it is but a pale version of the actual thing.

The report gives but a mere suggestion of the drama enacted between the struggling retailer, endeavouring to voice his grievances, and the stone-wall placidity of officialdom. On the platform was an array of sixteen councillors (with three officials) being arraigned by numbers of pharmacists from various parts of the country who are fighting daily for existence. It was obvious, all through, that the Pharmacy and Poisons Act is universally unpopular. Every mention of the Act was met with derision, and no speaker, medico or pharmacist, had a good word to say for it. Dr. Astlen and Dr. Gordon Smith were loudly cheered in their condemnation of the Act in the course of their speeches at the banquet, and the same applies to references to the "poisonous Act" at the meetings of branch representatives. A Liverpool pharmacist had the whole-hearted support of the meeting—barring the platform, presumably—when he declared that the most valuable contribution to the Departmental Committee on Poisons was the minority report of Mr. F. W. Gamble. Scotland, outspoken as ever, was keen on the restriction of dispensing; one member said the Council had let them down on various other things, and he wanted an assurance that they would concentrate on this subject at once.

The most amusing incident occurred, however, in connexion with a resolution to alter the voting papers so that the business qualification of each candidate for election to the Council should be stated. Lancashire (or one district of it) said that retailers were not represented on the Council in the right proportion and that several members of Council apparently had not the retail pharmacists' interest at heart. His slogan was "pharmacy for the pharmacist," not "pharmacy for the financier." What seemed to some observers bad tactics from the official viewpoint was the putting up of a well-known councillor to reply whose interests—as he frankly confessed—were with the retailer, the manufacturer, the wholesaler and the company director, as he was all of them. He made the best of his case, but Lancashire insisted on a right to reply, and then the fun began. Said the Voice from Lancashire, "Who gets the plums?" Not the man behind the counter, the Voice added. "Capitalism has pharmacy on the run." If the speaker had been on the Council when the Pharmacy and Poisons Act was passed, he would, he said, have gone to the Home Secretary with the Charter and would have said: "Here, you can take this as well; it is of no use to me now." The result of this sincere and impassioned appeal was that the meeting passed the resolution (against official opposition) by a substantial majority.

The question of taking "immediate steps" to secure the dispensing of all medicines by registered pharmacists was likewise a burning one. The secretary was put up to reply, and spoke so convincingly that the motion was withdrawn on the promise that the Council would spend next year in examining the question "in its broader aspects."

A resolution to discourage the training for the Apothecaries' Hall qualification by pharmacists in institutions, shops and schools was unanimously endorsed, but an endeavour to restrict the registration of chemists' shops was turned down, seeing that an Act of Parliament would be required. The subject of minimum salaries for qualified men was likewise discussed on a resolution not to accept advertisements in the Society's journal for qualified pharmacists at salaries of less than £250 per annum. The chairman of the Publications Committee, who was put up to reply, made clear the difficulties. He appeared to imply that other journals would eagerly accept announcements of any kind without cavil and with no regard for the welfare of the qualified pharmacist and that the official publication would thereby suffer.

One feature of the Conference was the predominance of distinguished women pharmacists. The wife of the chairman, the wife of the honorary secretary and the wife of the assistant secretary are all qualified pharmacists, and the special luncheon table for women pharmacists at the Pavilion on Wednesday, presided over by Mrs. Herbert Skinner (president of the Women Pharmacists' Association), was graced by the presence of many other women prominent in pharmacy, including Mrs. Freke, Mrs. Irvine, Miss Hodgkinson, Miss Harvey, Miss Winch, Miss Bain, Miss Elsie Carlton, Miss Dennis Hayes, and others from all parts of the country.

Chinese Menthol and Peppermint Oil

THE production of peppermint oil and menthol in China is by no means a new industry in that country, but until quite recently practically the whole of the production was absorbed domestically; some shipments were made occasionally to Japan and other Eastern destinations. Then the import lists began to report arrivals in London of both menthol and peppermint oil, shipped from Shanghai, and substantial quantities were also listed as exported from the same port and destined for the United States of America. We are advised that both products are to be shipped to this market regularly and in fairly substantial quantities, which may increase in due course. There is only one big producer in China, and the products are sold as "Buddha" brand.

Menthol

An analysis of the menthol by the Shanghai Municipal Laboratory shows a melting point of 42.5° C. The packing is exactly the same as the Japanese product, being in cases of twelve 5-lb. tins. The Chinese menthol is stated to have been favourably received here, with some consumers who have tried it out reporting it as quite satisfactory, particularly as it is fully B.P. with a higher melting point than the Japanese menthol. So far the policy adopted on this market is to offer the Chinese product at a slight discount to the current prices for the Japanese; this is being done, apparently, in order to encourage consumers to try out a new source. Ultimately, it is anticipated that on quality it will command prices fully up to those obtained for the Japanese product. It is understood that it is proposed to avoid as far as possible business of a speculative character in the China products. A dock sample inspected showed an attractive bright crystal.

Peppermint Oil

Fair quantities of this oil from China, also sold as "Buddha" brand, have been disposed of on this market; it is being taken up chiefly by distillers and blenders, who state they find it satisfactory. A recent analysis of the Shanghai Chemical Laboratory reports as follows:—

Menthyl acetate	...	...	...	4.84 per cent.
equivalent to:				
Menthol	...	...	...	3.82 per cent.
Free menthol	...	...	...	59.78 per cent.
Total menthol	...	...	...	63.60 per cent.
Refractive index at 15.5° C.	...	...	...	1.4650
Optical rotation (100 m/m)	...	...	...	— 22.2°
Solubility in 70 per cent. alcohol	...	...	...	complete
Vegetable oils	...	...	...	absent

Prices quoted for spot oil and for shipment orders are at a slight discount to the ruling quotations for the Japanese oil. The packing is the usual case containing twelve 5-lb. tins. It is understood that regular shipments will now be available for this market and that limited spot stocks will be held in London. A dock sample of the oil is of good colour and pleasing odour. The menthol content of nearly 60 per cent. free menthol, and a total menthol content of over 63 per cent. make it compare very favourably with the Japanese oil.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, July 9

Pharmaceutical Chemicals, etc.

SOME DEVELOPMENTS of importance are recorded this week. The raising of Sanctions prohibiting the import of Italian goods has been fixed for July 15; shipment offers of the natural products from this source are now being made, but so far there has been no rush of business, chiefly on account of the high prices being quoted. In the PHARMACEUTICAL CHEMICALS markets the chief alteration to record is a reduction by the British makers of threepence per lb. for SODIUM SALICYLATE. This unexpected big cut seems to have been necessary in order to protect the home market now that the agreement between the foreign makers has broken down. The home trade prices for SALICYLIC ACID, METHYL SALICYLATE, and ASPIRIN continue unchanged, and, at the moment, no alteration is anticipated in the latter up to the end of this year.

Crude Drugs

These markets continue to receive a fair volume of inquiry and the general level of values is fully maintained. There are still no offers of CAPE ALOES from the source. The demand for BARBASCO and DERRIS ROOTS has slackened down. The spot limits for BUCHU, rounds and ovals, have again been advanced. Shipment offers of new crop peel CASCARA SAGRADA are firm and limited in quantity. COLOCYNTH pulp is held at the recent advance for shipment. The shipment offers of new crop Spanish and Portuguese ERGOR are at much lower figures than those ruling for last year's crop. So far there are no offers from origin for RUSSIAN. A sharp advance in shipment prices for HYDRASTIS is reported and spot quotations have moved up accordingly. Japanese MENTHOL has again been a dull market; quotations for CHINESE and ENGLISH SYNTHETIC are given (see pp. 59 and 63). PEPPERS have reached very low figures for shipment. Fair business reported in rough round RHUBARB. The RUBBER market shows a further advance. New crop SENEGA is now quoted at a good advance; spot values are firmer. SHELLAC is quoted slightly dearer. ORRIS ROOT and SQUILL are quoted for shipment. Steady demand for most grades of TRAGACANTH, and with stocks well below normal, prices are firming up. There has been a sudden improvement in Bees' WAXES, with the shipment quotations for most descriptions dearer and offers restricted.

Essential Oils

Business has been rather patchy but on the whole fairly good during the past week. After a period of weakness the shipment market for ANISE (STAR) is cabled firmer. The Sicilian oils, BERGAMOT, LEMON, hand-pressed and machine-made, MANDARIN and ORANGE, sweet and bitter, are all now freely quoted for shipment first steamer after July 15, but the prices indicated are anything but conducive to business. Most consumers appear to be not interested, indicating they are covered for the rest of this season. Californian cold-pressed LEMON is again sharply dearer and supplies are reported to be extremely low. French Guinea ORANGE has been slow on spot; shipment nominal with nothing offering. Modest spot sales of JAPANESE PEPPERMINT and some speculative business in the distant position. CHINESE PEPPERMINT is now being offered spot and forward. Due to the effect of the continued drought on the plants the AMERICAN NATURAL OIL is very firm and quoted dearer for shipment. For the same reason there has been a sharp advance in shipment prices for SPEARMINT.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	July 9	Value of the £
Amsterdam ...	Fls. to £	12·107	7·37½	12/2½
Berlin ...	Mks. to £	20·43	12·44½	12/2½
Brussels ...	Belgas to £	nominal	29·70	16/11½
Copenhagen ...	Kr. to £	18·159	22·40	24/8
Lisbon ...	Esc. to £	110	109½	19/11½
Madrid ...	Ptas. to £	25·22½	36½	28/10½
Milan ...	Lire to £	92·46	63½	13/9
Montreal ...	Dol. to £	4·86½	5·02½	20/7½
New York ...	Dol. to £	nominal	5·02½	20/7½
Oslo ...	Kr. to £	18·150	19·90	21/11
Paris ...	Fr. to £	124·21	75½	12/2½
Prague ...	Kr. to £	164·25	120½	12/2½
Stockholm ...	Kr. to £	18·150	19·39½	21/1½
Warsaw ...	Zloty to £	43·38	26½	12/2½
Zurich ...	Fr. to £	25·2115	15·33	12/2½

Bank rate 2 per cent.

RATHER quiet markets are reported, with quoted values showing little change of importance during the past week. British makers' prices for sodium salicylate have been reduced; other salicylates are so far unchanged.

ACETANILIDE.—Market slow, values steady: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as to quantity.

AMIDOPYRINE.—Very quiet and keenly competitive: crystals, five cwt., 18s. 0½d.; two cwt., 18s. 5½d.; less than two cwt., 18s. 10½d. per lb., with powder 2½d. per lb. extra.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—Business of no importance, quotations keen: spot, one cwt., 15s. 3½d.; 56 lb., 15s. 8d.; small parcels, up to 16s. 3d. per lb.

BENZOIC ACID (B.P.).—Steady business, quoted unchanged: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' scales of prices unchanged, limited demand: Carbonate, B.P., one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; less than 8 lb., 8s. 6d. per lb., with rebates on contracts for larger quantities.

BROMIDES.—Makers' and dealers' scales of prices continue at the recent advance. The home trade prices are: Potassium B.P., not less than 5 cwt., 1s. 7d.; not less than one cwt., 1s. 8d.; not less than 28 lb., 1s. 11d.; 14 lb., 2s. 1d. per lb. Sodium, B.P., not less than 5 cwt., 1s. 9d.; not less than 1 cwt., 1s. 10d.; not less than 28 lb., 2s. 1d.; 14 lb., 2s. 3d. per lb. Ammonium, B.P., not less than 5 cwt., 1s. 10d.; not less than one cwt., 1s. 11d.; not less than 28 lb., 2s. 2d.; 14 lb., 2s. 4d. per lb., net. 28 lb., parcels and one cwt. cases free. Distributors' prices for quantities less than 14 lb. would be at higher figures. Scales of prices for export, quoted f.o.b. London for prompt shipment, are as follows: POTASSIUM, 5 cwt., 1s. 1½d.; one cwt., 1s. 2d. SODIUM, 5 cwt., 1s. 2½d.; 1 cwt., 1s. 3d. AMMONIUM, 5 cwt., 1s. 4d.; one cwt., 1s. 4½d. per lb. Contracts over a period are not being booked.

CAFFEINE.—Continental makers' agreed prices: pure alkaloid, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb., delivered, 5-lb. tins free, smaller packing extra. Citrate, two cwt., 5s. 5½d.; one cwt., 5s. 6½d.; 56 lb., 5s. 7½d.; smaller quantities, 5s. 8½d. per lb., delivered. British material: pure, 56 lb., 8s. 4d.; less, 8s. 6d. per lb. Citrate, 56 lb., 5s. 9d.; less, 6s. per lb.

CALCIUM LACTATE.—Market steady but rather quiet: spot, one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2½d.; smaller quantities, up to 1s. 6d. per lb.

CITRIC ACID (B.P. CRYSTALS).—Seasonal business continues, with values holding steady: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for this market for wholesale bulk quantities are as follows: HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scales of price applicable to distributors of smaller quantities are as follows: HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Re-sale: Sales subject to buyers undertaking not to re-sell any quantity at below the scale price for such quantity current at the time of re-sale. These scales of prices do not apply to export business, particulars of which may be obtained from the usual sources of supply.

CREAM OF TARTAR.—Fair demand at former figures: British material, 99 to 100 per cent., 79s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Not much inquiry, market competitive: bulk quantities, in 25-kilo. demijohns, 1s. 8d. to 1s. 9d. per lb.; smaller parcels, 1s. 10d. to 2s. 3d. per lb., ex store.

GUAIACOL CARBONATE.—Market continues keen for a modest business. Quoted round about 6s. per lb., as to quantity.

HEXAMINE.—Makers' prices for bulk quantities are competitive: fair business: B.P. powder, from 1s. 3d. to 1s. 4d.; free-running crystals, from 1s. 5d. to 1s. 8d. per lb., carriage paid, for bulk lots. Dealers quoting free-running crystals, two cwt., 1s. 5d.; one cwt., 1s. 6d.; 14 lb., 1s. 10d.; smaller parcels, up to 2s. per lb., carriage paid.

MERCURIALS.—Makers' scales of prices for these salts are unchanged: Chloride, B.P., not less than one cwt., 4s. 11d.; less than one cwt., from 5s. per lb. upwards, as to quantity.

METHYL SALICYLATE.—Quoted values unchanged, inquiry slow: spot, ten cwt., 1s. 2½d.; five cwt., 1s. 3d.; one cwt., 1s. 3½d.; less than one cwt., 1s. 3¾d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers report market dull and competitive: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, 20s. 8d. per lb.

PARAFORMALDEHYDE.—Fair inquiry, market steady: 100 per cent. powder, quantities in kegs, 1s. 1d.; smaller parcels, up to 1s. 6d. per lb.

PHENACETIN.—Values are quite steady, business quiet: crystals or powder, bulk quantities, 2s. 6d. to 2s. 7d.; smaller parcels, 2s. 7½d. to 3s. per lb., as to quantity.

PHENAZONE.—Market dull, with some spot offers very keen: crystals, five cwt., 8s. 9½d.; two cwt., 9s. 0½d., and less, 9s. 3d. per lb., with powder 2½d. per lb. extra.

PHENOLPHTHALEIN.—Occasional small inquiry, quoted unchanged: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

QUININE SALTS.—Convention prices were advanced as follows from June 8: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; bihydrochloride, 3s.; hydrobromide, 2s. 8½d.; bihydrobromide, 3s.; valerianate, 3s. 8d.; hypophosphite, 4s.; alkaloid, 3s. 0½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

RESORCIN.—British material only available on this market: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. per lb.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Market is slow, quoted unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

SALOL.—Remains dull but keeps steady: spot, crystals, two cwt., 3s.; one cwt., 3s. 0½d.; 56 lb., 3s. 1½d.; smaller parcels, 3s. 2d. to 3s. 6d. per lb.; powder, 2½d. per lb. extra.

SANTONIN.—Dealers' quotations for outside parcels now quoted at about £21 to £22 per kilo. No change in first-hand prices: not less than 50 kilos., £35 12s. 6d.; not less than 25 kilos., £36 1s.; not less than 10 kilos., £36 9s.; not less than 4 kilos., £36 17s.; not less than 1 kilo., £38 13s. 6d.; less than 1 kilo., £39 13s. 6d. Special prices are in operation for export to all markets.

SODIUM BENZOATE (B.P.).—Competition for a limited business: bulk quantities, 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 8d. to 1s. 10½d. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Continues at the recent reduction: spot, one cwt., 13s. 3d.; 28 lb., 13s. 6d.; 14 lb., 13s. 9d.; 7 lb., 14s.; smaller parcels, up to 14s. 6d. per lb.

SODIUM SALICYLATE (B.P.).—British makers' prices for this market have been reduced by 3d. per lb. as from July 8 as follows: Crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 11d.; 7 lb., 2s.; less than 7 lb., 2s. 3d. per lb. Sale terms and conditions unchanged, with re-sale clause imposed.

SULPHONAL.—Very competitive quotations, inquiry small: crystals or powder, two cwt., 15s. 5½d.; one cwt., 15s. 10½d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 9d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Fair business, market steady: British makers quote at 1s. per lb., less 5 per cent. discount. Dealers offering foreign material at competitive prices.

THEOBROMINE.—Continental material: pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb. Sodium salicylate, two cwt., 6s. 3½d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5½d.; smaller quantities, 6s. 6½d. per lb., delivered, 5-lb. tins free, smaller packages extra.

THYMOL.—Values steady, demand quiet: fine white, two cwt., 5s. 10d.; one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; smaller parcels, 7s. 6d. per lb.; ex ajowan seed, one cwt., 8s. 7d.; 56 lb., 8s. 10d.; 28 lb., 9s. 4d.; 14 lb., 10s. per lb.

VANILLIN.—Convention prices are unchanged: ex clove oil or guaiacol, five cwt., 12s. 9d.; one cwt., 13s.; 56 lb., 13s. 3d.; less, 13s. 9d. per lb.

Crude Drugs, etc.

ACONITE ROOT.—A limited business on spot, with dealers quoting Napellus at 67s. 6d. per cwt.

AGAR.—Business rather quiet, with spot and forward prices unchanged: spot, Kobe No. 1, 2s. 7½d.; No. 2, 2s. 5d.; Yokohama No. 1, 2s. 4½d. per lb.; shipment, Kobe No. 1, 2s. 5d.; No. 2, 2s. 5d.; Yokohama No. 1, 2s. 2d. per lb., c.i.f.

ALKANET ROOT.—Dealers are quoting small spot parcels at about 45s. per cwt.

ALOES.—Cape continue firm on spot, no shipment offers. Curaçao, slightly easier forward: Cape, spot, if available, from 63s.; shipment, nominal; Curaçao, spot, 97s. 6d. to 110s., as to quality; shipment, prompt, 87s. 6d.; August-September, 85s. per cwt., c.i.f.

ANTIMONY.—Chinese crude for shipment, July-August, is now quoted at £23 10s., c.i.f. English, £66 10s. to £67 10s., spot.

BALSAMS.—Market steady, business slow: *Tolu*, 1s. 9d.; *Canada*, 2s. 9d.; *Peru*, 5s. 4d. per lb., spot.

BARBASCO ROOT.—Market has been very quiet lately, with prices for spot goods unchanged, 1s. to 1s. 3d. per lb., as to test.

BUCHU.—Stocks of rounds here appear to be not more than 20 bales, and the chief holders are now requiring 3s. for good rounds. The few bales of ovals are now limited at 2s. 6d. per lb. No shipment offers, but it is reported that the Continent paid 2s. 6d., c.i.f., in June.

CANTHARIDES.—Rather more inquiry: spot, Russian, 6s.; Chinese, 2s. per lb.; shipment, 1s. 6d. per lb., c.i.f.

CARDAMOMS.—The parcel of Duckwari has been landed, and it is understood it will be included in the drug auction due to be held on July 23. Market firm, with Indian seeds on spot at 4s. 3d. per lb.

CASCARA SAGRADA.—The shipment market for new crop peel continues firm, with the quantities available still very restricted and quoted firm from 44s. per cwt., c.i.f. On spot, some 1933 peel is now limited at 58s. to 60s., and 1935 peel, if available, about 55s. per cwt.

CHAMOMILES.—Market has been rather dull. Old crop flowers offered from 90s. to 110s. per cwt., ex store, as to quality.

CLOVES.—Values are steady, market rather quiet: Zanzibar, spot, 7½d.; shipment, July-August, 7½d. per lb., c.i.f.; Madagascar, in bond, 6½d.; shipment, July-August, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended July 4 were 50; and the deliveries 311, leaving a stock of 1,467. From January 1 to date the landings of Zanzibar have been 2,284 and the deliveries 1,892. Landings of Madagascar for the week ended July 4 were 100, and the deliveries 131, leaving a stock of 1,845. From January 1 to date landings of Madagascar have been 1,856 and the deliveries 1,573 packages.

COCONUT (DESICCATED).—Values are slightly lower on the week: spot, fine, 23s.; medium, 22s. 6d. per cwt.; shipment, halves, July, 21s.; August, 21s. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports shipment market continues steady but rather dull: Finest Lofoten steam refined non-freezing medicinal oil, 84s. per barrel, c.i.f. London: spot, in small lots, 126s. per barrel, ex store, duty paid. Newfoundland non-freezing medicinal oil, about 130s. per barrel, ex store. British non-freezing medicinal oil is quoted at 100s. per barrel, London, duty free, while quotations from another home source are at higher figures.

COLCHICUM.—Some small parcels are available on spot at about 42s. 6d. per cwt.

COLOCYNTH.—The market continues fully steady, with pulp in bond held for 1s. 10d. per lb. and shipment offers of U.S.P. quality pulp at 2s. per lb., c.i.f.

DAMIANA LEAVES.—Some parcels of good green leaves are available on spot from 8d. per lb.

DANDELION ROOT.—A little more inquiry on spot, with foreign root offering at about 80s. per cwt.

DERRIS ROOT.—Market has been lifeless this week; quoted prices continue unchanged for spot and shipment.

ERGOT.—Some bold Russian on spot offering at 4s. but not much inquiry. Shipment offers of new crop Spanish from 4s. to 4s. 3d. per lb., c.i.f., and Portuguese new crop has been indicated down to 3s. 6d. per lb., c.i.f.

GUM ACACIA.—Although business is still rather quiet, the shipment price is reported fully steady: spot offers are below cost of replacement: spot, Kordofan cleaned sorts, 42s. 6d.; bleached, No. 1, 110s.; extra, 120s. per cwt.; shipment, Kordofan cleaned sorts, 40s. per cwt., c.i.f.

HENNA.—Some supplies of good green Egyptian leaves are available on spot at about 32s. 6d. per cwt.

HYDRASIS.—Much firmer conditions are reported from the source, with the latest cabled offers firm at 10s. per lb., c.i.f. On spot, most holders are now asking fully 10s., and not inclined to accept business at 9s. 9d.

IPECACUANHA.—Not much doing in this product at the moment: Matto Grosso, B.P. test, 5s. 4½d. to 5s. 6d. per lb.; shipment, 4s. 10d. per lb., c.i.f.

LIQUORICE ROOT.—Dealers are quoting spot supplies of natural root at about 12s. 6d. per cwt.

LYCOPodium.—With supplies on spot still very scarce the price is firmly maintained at about 5s. 6d. per lb.

MENTHOL.—Market has again been dull: K/S brands, on spot, about 13s.; in bond, 11s. 9d. Some orders cabled to Japan for July-August-September, at low prices were refused and countered with 11s. 3d., c.i.f. wanted. Little interest in the October-December position, with a seller at 10s. 10½d. and a buyer at 10s. 6d. per lb., c.i.f. Chinese is offering on spot at about 12s. 10d., with July-August shipment at about 10s. 8d. per lb., c.i.f. English synthetic menthol is quoted from 7s. 6d. to 10s. 6d. per lb., according to quantity.

MERCURY.—The Spanish-Italian group report their shipment quotation is steady at 60 dollars per bottle, f.o.b., Continent; spot, in small lots, £12 2s. to £12 2s. 6d. per bottle, ex store.

OPIMUM.—Average small spot business in Turkish and occasional inquiry for Persian: spot, Turkish, 1s. 3½d. to 1s. 4d. per unit, landed and duty paid. Persian, 12 per cent., 12s. 3d., in bond.

ORANGE PEEL.—Some supplies of thin cut peel are available at about 1s. 2d. per lb.

ORRIS ROOT.—Offers from the source for shipment after July 15 are in the region of 39s. 6d. per cwt., c.i.f.

PEPPER.—Forward quotations are again fractionally easier, markets quiet. Lampung, in bond, 2½d.; shipment, July, 2d.; August-October, 2d., c.i.f. Tellicherry, spot, 4½d.; shipment, August-October, 3s., c.i.f. Aleppy, spot, 4½d.; shipment, August-October, 3s., c.i.f. White Muntok, in bond, 4½d.; shipment, June-July, 4½d.; August-October, 4½d. per lb., c.i.f.

PIMENTO.—Values held at recent improvement, business quiet: Spot, 7½d. per lb.; shipment, July-August, 67s. 6d. per cwt., c.i.f.

RHUBARB.—The limited selection of Shensi is held for 4s. 6d. to 4s. 9d., with Pickings from 2s. 9d. to 3s. Quite a nice business in Rough Round, all pinky, at 1s. 6½d. and ordinary quality at 1s. 5½d. per lb. Shipment offers at 1s. 2½d. per lb., c.i.f., for all pinky quality.

RUBBER.—At the further advance, the market is steady and business has been up to recent average. Standard ribbed smoked sheet, spot, 7½d.; July, 7½d.; August, 7½d.; September, 7½d.; October-December, 7½d.; January-March, 7½d.; April-June, 7½d. per lb.

SAFFRON.—Business very slow, quoted unchanged: spot, B.P., 1898, prime, 43s.; extra, 40s. 6d.; super, 37s. 6d. per lb., and less for bulk quantities.

SARSAPARILLA.—Fair business at former values: spot, Jamaican grey, 1s. 2d. to 1s. 3d.; native, mixed colours, 10d. to 11d. per lb., as to quantity, spot.

SEEDS.—**ANISE.**—Spot, duty paid, Spanish, 56s.; Bulgarian, 30s. **CANARY.**—Mazagan, 34s., duty paid, for July-August; shipment, 23s., c.i.f., quoted. Spanish, on spot, from 40s. to 47s. 6d. paid. **CARAWAY.**—Dutch, spot, 38s., duty paid. **CORIANDEr.**—Morocco, old crop, spot, 19s. 6d., duty paid; new crop, for July-August shipment, quoted at 12s., c.i.f. **CUMIN.**—Spot, Malta, 45s.; and Morocco, 42s. 6d., duty paid. **FENUGREEK.**—Morocco old crop on spot is 13s., duty paid; new crop, for July-August shipment, quoted at 11s., c.i.f. **MUSTARD.**—English, 21s. to 30s. per cwt., according to quality.

SENEGA.—A modest spot business, with the price firm from 1s. 5d. Shipment offers of new crop are now up to 1s. 5d. per lb., c.i.f.

SHELLAC.—Values show further appreciation, moderate business: spot, standard TN orange, 55s. to 60s.; fine orange, 65s. to 135s.; pure button, 65s. to 70s. per cwt., spot. For arrival, TN, July-August, 53s., c.i.f. For delivery, TN, August, 55s. 6d.; October, 56s. 6d.; December, 57s. 6d. per cwt.

SQUILL.—Shipment offers from the source for dispatch after July 15 are at about 20s. per cwt., c.i.f.

TONKA BEANS.—Spot supplies of fair frosted Para beans are steady at 4s. 3d. New crop is quoted for shipment in the region of 2s. 9d. per lb., c.i.f.

TRAGACANTH.—Conditions in this market continue firm, with the selection of most of the white and medium grades now very restricted. White ribbon is now quoted from £30 to £33; medium whites, from £22 to £26, and the thin pale amber grades quoted firm from £15 to £21 per cwt. are now extremely limited in supply. Textile grades show no change, being quoted from £5 per cwt., ex store.

WAX.—**BEES'.**—The market is much steadier and shipment offers have advanced and offerings are restricted: Calcutta, bleached, spot, 135s.; afloat, 130s.; shipment, 122s. 6d., c.i.f. Abyssinian, spot, 120s.; in bond, 108s.; shipment, 107s., c.i.f. Benguella, spot, 120s.; shipment, 108s., c.i.f. Conakry, no spot available; shipment, 117s. 6d. per cwt., c.i.f. Dar-es-Salaam, spot, 120s.; shipment, 117s. 6d. per cwt., c.i.f. **CARNAUBA.**—Market is quiet but keeping steady; shipment quotations steady. Fatty grey, spot, 157s. 6d.; afloat, 150s.; shipment, July-August, 150s., c.i.f. Chalky grey, spot, 157s. 6d.; shipment, July-August, 150s., c.i.f. Primeira, spot, good quality, 215s.; f.a.q., 205s.; afloat, 205s.; shipment, July-August, 196s., c.i.f. Mediana, spot, 205s.; shipment, 192s. 6d. per cwt., c.i.f.

Essential Oils, etc.

BUSINESS is about up to the average and the general tone steady. Anise (Star) is steadier. Sicilian oils are quoted at high figures for shipment. Californian cold-pressed lemon is again dearer. Japanese peppermint is about steady, with the American natural oil firm and dearer. Spearmint is also sharply dearer.

ALMOND.—Market is steady, small business: English made, cwt. lots of 2s. 2½d.; smaller parcels, up to 2s. 6d. per lb.; foreign, cwt. lots, 2s. 3½d.; smaller parcels, up to 2s. 7d. per lb. French, bitter, 6s. 3d. per lb.

ANISE (STAR).—Rather firmer conditions are reported for shipment, with most shippers' prices withdrawn: spot, leads, 2s. 6d.; tins, 2s. 4d.; drums, nominal per lb., ex store; shipment, nominal, offers withdrawn.

BAY.—Market steady, small spot business, 49 to 50 per cent., 4s. 7d. to 4s. 9d.; 59 to 60 per cent., 4s. 10d. to 5s. per lb., as to quantity.

BERGAMOT.—Business on spot continues quite negligible, with sellers quoting from 8s. 3d. to 9s. 9d. per lb., as to brand and quantity. With the raising of sanctions on Wednesday next there should be interest in the shipment market, offers from the source are on hand but the high figures quoted are not likely to attract business, the quotations ranging from 8s. 4½d. up to 8s. 10½d. per lb., c.i.f., for a good quantity. Consumers are not likely willingly to come on the market at these figures, and the general impression is that most of the chief consumers are well covered for the rest of the season.

BOIS DE ROSE.—Market remains quiet. Brazilian, spot, 5s. to 5s. 3d.; shipment, about 4s. 10d. per lb., c.i.f.

CAJUPUT.—Not much inquiry on the market: B.P., 1s. 9d. to 2s. 1d. per lb., as to quantity.

CANANGA.—Some small business reported, quotations keen: spot, 8s. 3d. to 6s. 6d.; shipment, from 7s. 3d. per lb., c.i.f.

CARAWAY.—Values are maintained on a quiet market: Dutch rectified, 9s. to 9s. 1½d.; crude, 8s. 6d. to 8s. 9d. per lb., landed and duty paid.

CASSIA.—The spot value continues at about 3s. 2d. to 3s. 3d. per lb.; shipment, about 2s. 6d., c.i.f., with very little business moving.

CEDARWOOD.—Drums of the African oil continue available at about 1s. per lb., and smaller packings up to 1s. 4d. per lb. American, spot, drums, 1s. 1½d.; smaller packings, up to 1s. 4½d. per lb.

CEDAR LEAF.—Supplies on spot are reported limited and firmly held at 5s. 6d. to 5s. 9d., while the source reports nothing available for shipment.

CINNAMON LEAF.—Remains dull at the recent slight reduction: Ceylon oil, spot, drums, 2s. 10½d.; smaller parcels, up to 3s. 1½d.; shipment, 2s. 7d. per lb., c.i.f., in drums.

CITRONELLA.—With very little activity on this market quotations for these oils are unchanged: Ceylon, spot, drums, 1s. to 1s. 1d.; smaller parcels, up to 1s. 4½d.; shipment, drums, 8½d. per lb., c.i.f. Java, spot, drums, about 1s. 3d.; smaller parcels, 1s. 4d. to 1s. 7d.; shipment, drums, 1s. 9d. per lb., c.i.f. Shipments of Java Citronella oil: May, 1934, 141,450 kilos.; May, 1935, 123,625 kilos.; May, 1936, 108,458 kilos. The chief destinations of the 1936 shipments, in kilos., were:—Holland, 3,425; Holland (for order), 2,548; United Kingdom, 4,638; Germany, 18,132; France, 25,049; France (for order), 18,381; U.S.A., Atlantic Coast, 19,144; South America, 4,096; China, 7,748. Shipments for the period January-May were: 1934, 711,169 kilos.; 1935, 716,820; 1936, 802,547.

CLOVE.—The Madagascar oil continues firm for shipment and very few offers are being made: Madagascar, spot, drums, 3s. 3d. to 3s. 4d.; smaller packings, up to 3s. 6d. per lb.; shipment, if available, 2s. 8d. per lb., c.i.f. English oil, 4s. 2d. per lb.

EUCALYPTUS.—Market is seasonally quiet but values are fully steady: Australian, 70 to 75 per cent., 1s. 2d. to 1s. 2½d.; 80 to 85 per cent., 1s. 3d. to 1s. 3½d. per lb., landed; higher prices for small lots on spot. Spanish, 70 to 75 per cent., 1s. 3½d. per lb., ex store.

GERANIUM.—Neither consumers nor importers seem to have any interest in this market at the moment: Bourbon, spot, 21s. to 21s. 6d.; shipment, 19s. 9d., c.i.f. Algerian, spot, 21s. to 22s.; shipment, 20s. per lb., c.i.f.

GRAPE-FRUIT.—Some competition for a limited business. Empire hand-pressed oil, spot, from 14s. to 15s. 6d. per lb., as to quantity and brand.

HO (SHU).—A moderate business is reported, with some low prices noted: spot, 1s. 6½d. to 2s. 1½d. per lb., as to quality and quantity.

JUNIPER BERRY.—Market has been rather slow: spot, from 2s. 10d. to 3s. per lb., as to quantity.

LAVENDER.—The source reports no definite news on new crop prospects, but indicates a crop well up to average in quality and quantity should fine warm weather be experienced during the next few weeks. On spot, old oil is quoted irregularly: 50 to 52 per cent., 29s. 6d.; 48 to 50 per cent., 27s.; 40 to 42 per cent., 22s.; 38 to 40 per cent., about 20s.; 36 to 38 per cent., 18s. per lb., landed, for good brands.

LEMON.—Although business has certainly been of very small account this week, the position generally is interesting. Sanctions will be raised on July 15, and offers of the Sicilian hand-pressed oil, for shipment by first steamer after that date, range from slightly under 7s. up to as much as 7s. 7½d. per lb., c.i.f. There will be no rush of business at these values, and most consumers have well covered their seasonal requirements. The only development that may enable shipment prices to be maintained at these high levels is the acute shortage of oil in America. This market, usually catered for by the Californian oil, may have to fall back on the Sicilian for supplies to carry them over the rest of the season. In the meantime prices of Californian cold-pressed oil have again been advanced. Distilled, regular quality, small drums, 3s. 9½d.; large drums, not offering; cold-pressed now 6s. 3d. per lb., c.i.f.

LEMONGRASS.—Some business reported for shipment, but offers continue cheap in the region of 1s. 6d., c.i.f.: spot, 2s. to 2s. 2d.

NEROLI.—The new crop oil will be quoted at an advance due to the higher prices paid for the flowers.

NUTMEG.—Small parcels of American oil are being quoted at 5s. 4½d. to 5s. 6d. per lb.

ORANGE.—The shipment offers of Sicilian sweet for shipment after July 15 range from 12s. up to as much as 14s. per lb., c.i.f., with no one interested. Sicilian bitter, about 8s. 9d. to 9s. per lb., c.i.f. Meanwhile there are spot sellers of French Guinea oil on spot from 3s. 3d. upwards for drums and up to 3s. 9d. for small parcels. The shipment quotation is nominal at 3s. 2d. per lb., c.i.f., with practically nothing offering. The Californian oil is steady at last week's advance, as follows: one case, 4s.; two or more cases, 3s. 10d.; small drums, 3s. 9d. per lb., c.i.f.

PALMAROSA.—This market remains dull, with spot offers comparatively cheap at 5s. 10½d. to 6s.; shipment, 5s. 6d. to 5s. 9d. per lb., c.i.f.

PATCHOULI.—Some limited supplies of good quality Singapore oil are available on spot at about 16s. per lb. Seychelles, spot, about 12s. to 12s. 3d. per lb.

PEPPERMINT.—Modest business moving on spot, with the value about 5s. 10d. to 6s. per lb. Japanese shippers quoting July-August, 5s. 9d. to 5s. 10d., c.i.f., with re-sellers at 5s. 7½d. to 5s. 8d. More doing in the October-December position, with buyers at 4s. 10½d. and further sellers. Chinese oil, spot, about 5s. 7½d.; shipment, July-August, about 5s. 3d. per lb., c.i.f. Strong conditions are reported in the American oil, with the shipment price for natural, in drums, 50 per cent. menthol, now quoted up to 2 dollars 35 cents and oil of slightly lower menthol content about 2 dollars 20 to 25 cents per lb., c.i.f.

PEITGRAIN.—The lower prices for spot oil recorded last week continue at about 3s. 6d. for cases and up to 3s. 10½d. for small parcels; shipment, about 3s. 4d. per lb., c.i.f.

ROSEMARY.—Market is quiet. Good quality Spanish oil is unchanged at about 2s. 3d. per lb., with some offers at well under this figure.

SANDALWOOD.—Genuine East Indian Mysore, 19s. per lb., in one-case lots on spot; practically no second-hand offerings. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 5s. 10½d.; 56 lb., 6s. 1½d.; 14 lb., 6s. 4½d. per lb. Australian oil continues steady at the recent reduction: 5 cases, 14s. 6d.; one case, 14s. 9d.; 7-lb. tins, 15s. 3d. per lb.

SASSAFRAS.—Market is steadier. Natural oil quoted from 3s. 7d. to 3s. 9d. per lb., as to quantity. Artificial oil at cheaper prices.

SPEARMINT.—There is a sharp advance reported from origin, due to the continued drought, with 1 dollar 80 cents mentioned. On spot, the quotations range from 7s. 9d. to 8s. 9d. at the moment, but it seems certain the cheaper prices will be withdrawn very quickly; shipment offers are at about 7s. 9d. per lb., c.i.f.

SPIKE.—Business remains slow, with good quality Spanish oil at about 3s. 8d. to 4s. per lb. Inferior oils at cheaper figures.

VEIVERT.—A few small parcels of Bourbon on spot are quoted at 37s. 6d. per lb.

WORMSEED.—Market is steady but quiet: U.S.P. oil, spot, 9s.; shipment, 8s. 7½d. per lb., c.i.f.

The following are current prices for synthetics, etc.—**ACETOPHENONE**, 6s. to 6s. 4d. per lb.; **AMYL ACETATE**, pure, 122s. 6d. per cwt.; technical, 107s. 6d.; **AMYL SALICYLATE**, 2s. 2d. per lb. for cwt. lots up to 2s. 6d.; **AUBEPINE**, ex para creosole, 7s. 6d. to 8s. per lb.; **BENZALDEHYDE**, f.f.c., 2s. 2d. to 2s. 4d. per lb.; **BENZYL ACETATE**, 1s. 3½d. to 1s. 8d. per lb.; **BENZYL ALCOHOL**, cwt. lots, 1s. 11d. up to 2s. 3d. per lb. for small lots; **BROMSTYROL**, 100 per cent., 9s. 6d. to 11s. per lb.; **BUTYRIC ACID**, 3s. 3d. to 3s. 6d. per lb.; **CITRAL**, chemically pure, steady at 6s. 4½d. to 6s. 9d. per lb.; **COUMARIN**, 7s. 3d. to 7s. 6d. per lb.; **DIETHYL PHTHALATE** is steady at 1s. 3d. for cwt. lots, cans extra; up to 1s. 8d. per lb. for small lots; **EUGENOL**, 7s. 6d. to 8s. per lb.; **GERANIOL**, ex palmarosa, 15s. to 17s. per lb.; **HELIOTROPINE**, 100 per cent. crystals, 6s. 3d. to 6s. 9d., as to quantity; **ISO EUGENOL**, 9s. 6d. to 10s. per lb. **METHYL ANTHRANILATE** is steady at 6s. to 6s. 6d. per lb. **MIRBANE**, 7d. to 8d. per lb.; **MUSK**, ketone, 17s.; **AMBRETTIE**, 15s.; **XYLOL**, 4s. per lb.; **TERPINEOL**, 1s. 3½d. for ton lots up to 1s. 6d. per lb. for small parcels.

Commercial Notes

GERMAN QUININE TRADE, 1935.—Germany's trade in manufactured quinine increased from 105,200 kilos. in 1932 to 132,000 kilos. in 1934, or slightly above the 1929 level. The upward trend became much more pronounced during the first nine months of 1935, showing a further 50 per cent. increase, to a new peak level of 148,000 kilos., compared with 98,000 kilos. in the corresponding period of last year. The total value of the trade did not progress in sympathy with volume. Imports of cinchona bark rose to a new peak in 1935 corresponding to an increase of around 25 per cent. above the previous 1929 peak. Over 80 per cent. of the bark imports came from Netherland India (1,845 metric tons in the first nine months of 1935), the rest being furnished largely by Bolivia (127 tons).

ITALIAN ESSENTIAL OIL EXPORTS.—Shipments for the period January-September of 1934 and 1935 were as follows:—

	1934		1935	
	Tons	Lire '000	Tons	Lire '000
Lemon	427	9,108	426	10,853
Bergamot	130	4,664	143	4,514
Orange	39	1,296	27	1,278
Other citrus	6	457	8	510
Peppermint	16	1,647	13	1,130
All other	11	1,016	12	688

U.S.A. PYRETHRUM IMPORTS.—Imports totalled 15,578,058 lb. in 1935. Japan has been the chief source of supply for many years; in 1935 it accounted for over 98 per cent. of the total. Shipments of flowers direct from British East Africa (Kenya) were recorded for the first time. The following table shows imports described as crude flowers for the past six years:—

Source	1930	1931	1932	1933	1934	1935
	lb.	lb.	lb.	lb.	lb.	lb.
Japan	8,223,939	3,871,842	11,061,949	9,066,040	10,093,612	15,203,584
Yugoslavia	44,545	1,561	612,905	838,256	298,684	154,020
Italy	267,942	365,364	421,658	446,197	113,533	66,056
France	—	92,058	—	—	—	—
Un. Kingdom	—	14,784	—	—	42,369	80,695
China	—	—	—	—	—	2,240
Russia	—	61,938	14,164	84,066	38,093	4,620
Greece	—	44,506	—	—	—	—
Netherlands	—	65,803	—	—	—	—
Canada	—	3,287	—	—	—	—
Brazil	—	—	—	—	4,480	—
Br. East Africa	—	—	—	—	—	66,573
	8,536,426	4,521,143	12,110,736	10,434,559	10,590,771	15,578,058

EGYPTIAN HENNA.—Crop and area cultivated in 1932 to 1935 were as follows:—

	Area Feddans	Crop Cantars
1931-32	1,398	25,529
1932-33	1,228	22,371
1933-34	1,535	22,485
1934-35	1,493	19,812

1 feddan = 1.038 acres; 1 cantar = 45 kilogram.

Exports during 1934 and 1935 were as follows:—

Destination	1934		1935	
	Kilog.	£E.	Kilog.	£E.
France	439,115	11,023	407,962	10,248
United States	153,205	3,888	150,328	3,858
United Kingdom	48,939	1,093	63,580	1,383
Other countries	148,214	3,716	325,496	8,112
Totals	789,473	19,720	947,366	23,601

DUTCH WEST INDIES ALOES.—Almost the entire 1935 crop of aloes was sold before the end of the year. It is estimated that the crop totalled 5,500 cases of 125 lb., of which Aruba supplied 4,500 cases and Bonaire the remainder. The United States took approximately 3,200 cases and Europe 2,300 cases. Advance estimates for 1936 are that because of abundant rainfall Aruba will produce about 5,500 cases and Bonaire about 1,200 cases, a total of 6,700 cases. In addition, there is a stock of 3,200 cases, a holdover from several years past, which it is reported will soon be placed on the market. Thus the total stock available for this year will amount to an estimated 9,900 cases.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

The C. & D. Special Issue

SIR,—May I add my congratulations on your wonderful Summer Number? I was particularly interested in Dr. Murray's fine collection of pharmacy jars and mortars, pictured on pp. 767-69, and no less in the article on "The Oldest Pharmacy in Europe," already eulogised by "Pharmatour" (C. & D., July 4, p. 43). This link with the past made a special appeal because I have just been reading Ann Bridge's "Illyrian Spring," a delightful story of present-day Dalmatia (now part of Yugoslavia). Much of the action of the book is laid in Ragusa (now Dubrovnik), and there are several references to present-day pharmacy in the person of "Herr Hasler, the principal chemist." He is represented as a man of parts—not only a good pharmacist but artist, yachtsman and epicure, and willing to place his services in any of these spheres at the disposal of British visitors. "Illyrian Spring," which I heartily commend to any still unacquainted with it, is written by a keen nature lover, as will be evidenced by the following pertinent passage:—

"In the month of May a strange enchantment is added to the lovely little inland town of Traù. The inhabitants then cut, in their mainland fields, the harvest of the starry white flowers of *Chrysanthemum cinerariaefolium*, from which insect powder is made, and spread them out on mats to dry in the sun all along the *fondamento*, so that the whole of that immense space is floored not with cobbles or flagstones but with flowers. There was something incredibly lovely about that pale pavement of blossom spreading up to the foot of the white columns and stretching away towards the creamy mass of the town beyond under the tender blue of the North Adriatic sky."

I am, etc.,
C. S. ASHTON.

Brighton.

Chemists' Friends Scheme

SIR,—I notice that one or two correspondents are suggesting that the N.P.U. Executive has been guilty of a vacillating policy in regard to the C.F. scheme. May I point out that so far as retail chemists are concerned the N.P.U. Executive has never varied its instructions to push the original "limitation of distribution to chemists" principle, but hundreds of chemists asked us to negotiate with the manufacturers' Association with a view to arriving at a special compromise regarding nationally advertised proprietaries. The N.P.U. Executive is a body of business men, and when approached by the manufacturers' Association, it went as far as it was possible to do to meet the manufacturers of nationally advertised lines by offering to that specially limited class freedom of distribution, provided suitable limitations were placed upon inducements to other traders to handle the goods. This offer was limited to existing manufacturers of nationally advertised lines; it would have recognised their so-called vested interests, and it was intended that new lines coming on to the market should not be eligible under that proposal. Reasonable as this offer was, it was refused by the manufacturers on the ground that their business policy was being dictated by the N.P.U. There the matter ended for the time being; now we are being told that because we met the manufacturers and made them a fair offer, the Executive has been vacillating. If every chemist in the country would be as firm in his attitude towards non-C.F. articles as the N.P.U. Executive has been in regard to this matter, it would be very encouraging to the Executive.

Yours faithfully,

G. A. MALLINSON,
Secretary.

National Pharmaceutical Union, London, W.C.1.

SIR,—It was rather amusing to see, in the Special Issue of THE CHEMIST AND DRUGGIST a number of advertisements for nationally advertised "patents" explaining the reason why it should pay chemists to buy, push and display their products. In my part of the country those pharmacists who promised to support the C.F. scheme have been loyal in that they have confined their display efforts to articles either not

affected by the scheme or to C.F. goods. Is it possible that these advertisements are being planted as a type of auto-suggestion? Most people, at some time or another, have been persuaded to buy things simply as a result either of repeated reading of similar advertisements or, in the case of a retailer, by repeated visits from a representative. In other words, if these firms continually inform the chemist that it will pay him to display their goods, *plus* propaganda by their representatives, is it not possible that some will be impressed and eventually do so? The idea is not so ridiculous as it may at first appear, and more so when those of a type we find in every walk of life are prepared, so far as is possible, to "cash in" whilst others sacrifice to attain a reasonable and just ideal. It is hardly possible in such a short period of time that the "no display clause" in the C.F. scheme can have affected to any appreciable extent the sales of nationally advertised articles. It must not be forgotten, however, that with so many pharmacists refusing to display these goods, *plus* the fact that the multiple concerns are showing no particular eagerness to fill their windows with "patents" in preference to their own goods, the advertising is not going to "pull" to quite the same extent. Furthermore, for a firm to tell people to go to the grocer or general dealer is immediately going to reduce what faith the public may have in that article. The average pharmacist, no matter what his own private opinion concerning pharmacy, must not forget that the general public still considers him more than an ordinary retailer. There are firms to-day who have been trading for years on the chemists' reputation. Having obtained their goodwill and support, and as a result built up a large business, what have they done in return? They have then supplied their goods to any Tom, Dick and Harry. This has all been explained many times, and yet we have those near-sighted pharmacists who still stick out and pander to those firms who in the past have just made a convenience of them. Years ago the P.A.T.A. was "doomed to failure," yet now we see it as a flourishing and important organisation. The C.F. scheme has likewise been "doomed." It is up to pharmacists to prove by their actions that they refuse to be treated like little children any longer. By collective action the C.F. scheme will be as successful in the future as the P.A.T.A. is to-day.—Yours, etc.,

FAIR PLAY (3/7).

SIR,—May we, the Wembley and District Chemists' Association, be allowed, through the courtesy of your columns, to speak to the many chemists who are supporters of the Chemists' Friends scheme?—Yours faithfully,

For the Wembley and District Chemists' Association,
E. RATCLIFFE,
Hon. Secretary.

Wembley.

[The appeal is in the following terms:—Sir/Madam, you are a supporter of the Chemists' Friends scheme; you refuse certain window-show bonuses, refuse to display non-C.F. goods, and give prominence to C.F. lines. Good! But are you satisfied to do that only?—you who say you are losing money in so doing. Are you content to sit at home offering up this monetary sacrifice and making no effort to see that you attain your objective, doing nothing more when there is so much you can do, so much more you must do in justice to yourself for this initial personal loss? We in Wembley were not so content. We said we must fight, we must help to swell the ranks of the C.F. supporters. We, first as individuals, then as an association, realised it was foolish, fatal, to be paying for a campaign while leaving all the actual fighting to a handful of N.P.U. officers. That is weak, unsportsmanlike, bad business! We say to you, be consistent in your service, persuade as well as be persuaded! One recruit to each of us from the ranks of our undecided intimates and the game is ours. In this way has Wembley been working, believing the principles embodied in the Chemists' Friends scheme are reasonable and just. Now, to-day, we find that in most cases we

gain rather than lose by supporting the C.F. scheme. . . . To you, then, the individual supporter, we say, what about persuading your brother chemist to come in? And to you, the live, interested, determined association supporting the C.F. scheme, we say, what about some more propaganda, what about joining hands with us? Let us hear from you.]

Treatment of Warts

SIR,—The paragraphs in your issue of July 4 on "Warts treated by Suggestion" are very interesting, and such a method may often be successful. There is another way, however. Fifty years ago, when I was a young man and not long before I started in business for myself as a chemist and druggist, a chance remark by an acquaintance led me to try the healing of various ailments, amongst them the curing of warts, by touch without suggestion in any way. I still "cure" cases, and in fifty years' time I have naturally accumulated much experience in doing so. Let me mention one or two cases. I had to see a mother one day about her baby, and standing by the mother's side was a young boy about six or seven years of age whose face was horribly disfigured all over by warts. The backs of his hands were also covered by warts. I couldn't help noticing the child, and the mother said: "Could you do anything for his warts? He has had them like that for about two years. I've had him under one or two doctors, and they haven't done him the least good." I said that I would try if she would agree to my stipulation that no further local applications nor treatment be applied for three months and that there would be no charge whatever. To this she agreed, and I then stroked with my right hand the whole of the boy's face and hands. Then she asked me how long it would be before a cure would come about. I said "Within three months." I never saw her again, but she wrote in three months' time to say that every wart had vanished from his face and hands. Another case I saw within the last six months. A boy, twelve years old, was brought by his mother to see if I could cure his warts. His knees and the backs of both hands were covered with them. I adopted the same procedure, and his warts vanished entirely within four weeks. At least four surgeons have come to see me for warts, and they have gone away cured. They in their turn have sent me other cases, chiefly hospital nurses. Suggestion is a powerful force, but so far in all the cases that I have had I have used no suggestion, and yet even now, when old, I am still as successful. Professor Heim states that he could not cure stupid children. I long ago found out that there is no curing where the case was the least bit "mental," or as they say in Lancashire, "a bit gormless." Perhaps the "stupid" cases he mentions came under that category.

Yours faithfully,

A. C. G. (7/7).

The Bournemouth Conference Meeting

SIR,—The old question of the system of electing members to the Council, and the suggested substitution of territorial representation, provided a long discussion at the branch representatives' meeting (C. & D., July 4, p. 8), and the net result was really a vote in favour of continuing the present conditions in spite of the dissatisfaction which has been expressed so often and so widely. A statement was made that the Council propose to review the whole of the Society's activities in the light of modern conditions; but apparently the Council as a whole are quite satisfied with the electoral method as it stands, and no change may be anticipated, especially as it would require fresh legislation. The branches of the Society vary considerably in their scope, both as regards numbers and areas. It would be a difficult task to divide the map into territories and yet to hold a fair balance in numbers, a point which was made by Mr. E. Owen of Anglesey when he quoted the number of chemists in Wales. We are reminded frequently that the Council should represent all kinds of interests in pharmacy, but I do not remember to have seen any suggestion of a method which would arise naturally from this. Why not elect a Council representing the various divisions of pharmacy? Now that the Council has an analysis of the occupations of registered pharmacists, a definite number of councillors could be allotted to each class according to their numbers. We should then know at any rate which kind of pharmacy a councillor represented on the Council, however many varieties he might be interested in outside. On talking this over with a friend, it

was pointed out that this idea would mean a constant preponderance of retailers, but so long as their numbers are greater surely they should have the most representatives. To me it does not seem to matter what system is adopted when less than half the voting power is exercised, and the Council cannot be said to be truly representative of the whole membership. Let us improve the voting returns, and the present system is as good as any other.—Faithfully yours,

STATUS QUO (6/7).

Wake Up, Pharmacists!

SIR,—In both the academic and business spheres of pharmaceutical activities we stand on the threshold of a new era. Complacency must give place to activity. The immediate present calls for united action, alertness, boldness and loyalty to both the Pharmaceutical Society and the National Pharmaceutical Union in order that their objects may be achieved. It is well to remember that all our failures in the past have been due to lack of unity and organisation. If we fail to cast aside petty jealousies and imaginary grievances and indulge in destructive criticisms, we shall meet with similar disappointments in the future. To achieve what are justly our dues we must have high respect for the leadership of those who are the chosen representatives of the electorate of both bodies. We must have great regard for the conclusions they arrive at, after long and careful deliberation, and be so organised as to be ready at any time to suggest ways and means of confirming, strengthening or modifying their decisions in the interests of both the public and the general body of pharmacists. It is essential that branch meetings should be held frequently and regularly, so that members shall be correctly informed regarding the transactions of the respective bodies; in this way only can their suggestions be of any value concerning pharmaceutical politics or the business phases of the calling. The "go-as-you-please" methods of the past must be abandoned. "Scratch" conclusions are of no value when matters of importance have to be weighed and valued. It is therefore imperative that every pharmacist (for his own protection and advancement) should give close attention to the ways and means that may be employed for the future welfare and material prosperity of the craft in general. We must organise if we desire to have our wrongs redressed. If we delay and are infirm of purpose our future will be more disappointing than our past experiences. With the hope that this appeal to organise forthwith does not fall on deaf ears, my last invocation is, in Miltonian phrase, "Awake, arise, or be for ever fallen."—Yours, etc.,

CALL TO ACTION (22/6).

Poisons Queries

V. E. W. (10/66).—Substances containing less than 10 per cent. of chloroform are by Rule 11 and Schedule III, Group 2, of the Poisons Rules exempted from labelling requirements.

BM/BRSO. (20/66).—There is no definition of "duly qualified medical practitioners" in the Pharmacy and Poisons Act, 1933, nor in the Poisons Rules, but undoubtedly such description would only apply to a person whose name appears on the Medical Register.

E. T. H. (19/6).—Failure to use the proper form of entry required by Poison Rule 32 entails a liability to such heavy penalties that it would be folly not to comply with the rigid requirements of Rule 32 and the Twelfth Schedule. The D.D. Regulation 11 (g) as modified is permissive, but the use of the D.D. Register as a Poisons Register in general can only be correct when the form of entry is identical (which is far from being the case at present) with the Twelfth Schedule.

Z. C. C. (15/65).—The existing label for local anaesthetic does not conform with labelling requirements after December 31, 1936. The simplest means of complying with the new labelling conditions is to use a separate label with the words:—"Contains procaine hydrochloride, 2 per cent. w/v. Caution. It is dangerous to exceed the stated dose." Since the preparation contains less than 10 per cent. of procaine, it is exempt from the First Schedule, and thus can be supplied to doctors and dentists without a signed order or entering sales in a poisons register.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

A. S. C. (3/72).—WORMS IN POULTRY.—It is not easy to prevent young chickens being infested, but it is found that it is more difficult to infest chicks if they are properly fed with a ration containing vitamin A. If the mash does not already contain some of this vitamin, it is necessary to supply it by giving sufficient green food, or by adding a pint of good cod-liver oil to a hundredweight of mash. Overstocking on stale ground is the most fertile cause, and it is imperative that young chicks should be kept on fresh, clean and frequently changed sites. Since the eggs of worms need at least six days outside the body to be infective, if the pens are moved every five or six days to fresh, clean ground, there is much less chance of infection. Dosing poultry and game with vermifuges is not very practicable, as mass dosing is ineffective in most cases. The following may be given occasionally as a preventive:—

Cupri sulphat.	...	...	...	...	ʒiij.
Aq. dest.	...	...	...	...	℥i.

Add 1 oz. of this solution to each gallon of drinking water for one day every two weeks. An alternative is Douglass mixture for poultry, which may be given in the same way:—

Ferri sulph.	...	...	...	...	℥i.
Aq.	...	...	...	...	℥i.

Dissolve and add

Ac, sulph, dil. 3j.

A. J. H. (5/65).—CALCIUM CARBONATE IN MACLEAN'S POWDER.—It has been stated (*C. & D.*, 1931, 1, 195) that the calcium carbonate intended by Professor MacLean was creta preparata, but from the therapeutic point of view it probably does not matter which preparation of chalk is used. Prepared chalk is much denser than precipitated chalk, hence a teaspoonful of powder made with the former would be a larger dose than that of the powder made with the latter. Moreover, there are several varieties (e.g., light, medium, heavy) of precipitated calcium carbonate. A further point arises in regard to the Sale of Food and Drugs Acts and the N.H.I. Testing Scheme, and it should be borne in mind that both calciu carbonas and creta are included in the B.P., 1932.

M. P. S. (7/72).—DESTRUCTION OF COCKROACHES.—Preparations containing sodium fluoride are stated to be effective, a suitable formula being as follows:—

Sodium fluoride ...	...	...	...	3 parts
Insect powder ...	...	...	...	1 part

Other methods which have been suggested include the injection of strong liquid ammonia into the cracks around the insects' haunts. Another treatment which should prove effective would be fumigation of the room with sulphur dioxide, either in liquid form or by burning sulphur candles. For this purpose, of course, the room would need to be completely sealed up. Also, three or four such treatments would probably be necessary.

W. G. (7/72).—The specimen of the leaf appears to belong to a species of *verbascum*, but it is impossible to name the species from a single leaf. The great mullein (*Verbascum thapsus*) is the best-known plant of this genus: it sometimes reaches a height of 7 or 8 ft. and bears a long spike of showy yellow flowers. This has long been famed in domestic medicine and by herbalists as a remedy for coughs and bronchial affections generally. In consequence of its being used in pulmonary complaints in cattle it has received the name of "Bullock's Lungwort." In America it is considered a mild astringent, and is given as a demulcent in febrile cases. Mullein leaves have occasionally been mixed with the leaves of digitalis, a plant of the same family, and have been credited with feeble narcotic properties, but this has not been confirmed by experimental tests. The seeds of some species of *verbascum* in South Europe have been employed for poisoning fish, and chemical investigation has shown that this is due to the presence of saponin, a substance widely distributed in the vegetable kingdom. It is satisfactory from an agricultural point of view that plants of this genus are not poisonous to stock.

G. G. (8/6).—MEDICINE STAMP DUTY.—The word "hoarseness" is regarded by the Board of Customs and Excise as involving liability to medicine stamp duty unless it is stated to be due to overstraining of the voice. With that exception, your label contains in our view no word involving liability to Medicine Stamp Duty.

H. E. (30/66).—FOOT BATH SALTS.—The following formula will probably meet your requirements:—

Borax	...	...	...	...	...	1 part
Sodium bicarbonate	...	...	...	...	...	3 parts
Sodium carbonate	...	...	...	...	...	5 parts

An essential oil, such as eucalyptus, or methyl salicylate, may be added.

W. L. W. (6/76).—SALES FROM A VAN.—It would be an offence to sell dutiable medicines since a medicine licence is granted solely in respect to a shop, house or place, vans or stalls being non-rateable places. So far as poisons are concerned, a motor van cannot be regarded as premises, and the Home Office states that it is advised that direct sales therefrom are illegal. However, it is quite in order for the vanman to take orders for poisonous articles (which must be signed for in the case of a First Schedule poison) for delivery from the shop by the van after the registration formalities have been fulfilled. An informative article on selling from vans was published in the *C. & D.*, 1931, 1, 512.

F. H. J. (29/66).—WAGES DURING ILLNESS.—Subject to any agreement to the contrary, an employee who is away from work on account of illness is, in the ordinary way, entitled to be paid his wages until such time as his contract of service has been terminated by the requisite period of notice. In the absence of any special arrangement, there appears to be no obligation on the part of the employer to contribute anything towards the hospital expenses incurred by the assistant in the circumstances you mention. The usual arrangement with regard to the assistant's holiday is not affected by the fact that he has been ill. In a case such as you describe, it is usually wise to consult a solicitor.

A. D. (25/60).—CARBITOL.—Carbitol, which is the commercial name of diethylene glycol mono-ethyl ether, is a comparatively new organic chemical in the cosmetic field, incorporation of which permits the formulation of facial creams of superior qualities. On account of its high boiling point and hygroscopicity, it retards the drying of creams and has a softening and soothing effect on the skin without causing stickiness. In cosmetics containing tinting dyes, this material, being a dye solvent, increases the spreading power and intensity of the dye and gives a product of uniform colour.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," July 10, 1886

Medicinal Herbs in Australia

Mr. D. McAlpine, the lecturer on botany at the Melbourne College of Pharmacy, has written in the "Australasian Journal of Pharmacy" an account of a visit he has paid to some medicinal herb grounds in the vicinity of Melbourne, at a place called Box Hill, Mitcham Grove. . . . At present all the herbs that can be raised are readily bought in Melbourne, and there is no early prospect of Victoria competing in the larger drug markets; but, according to the report, experimental success has been achieved with the poppy, henbane, stramonium, rue, tansy, mullein, squirting cucumber, Indian hemp, pennyroyal, peppermint, spearmint, and liquorice root. "Lavender does not grow quite so well as at Mitcham, Surrey, whence the stocks have been obtained, but it is believed that, if the same labour and manure were expended upon it here, crops at least equal in quantity could be raised."

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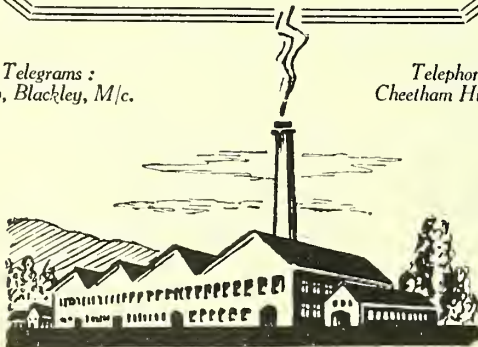
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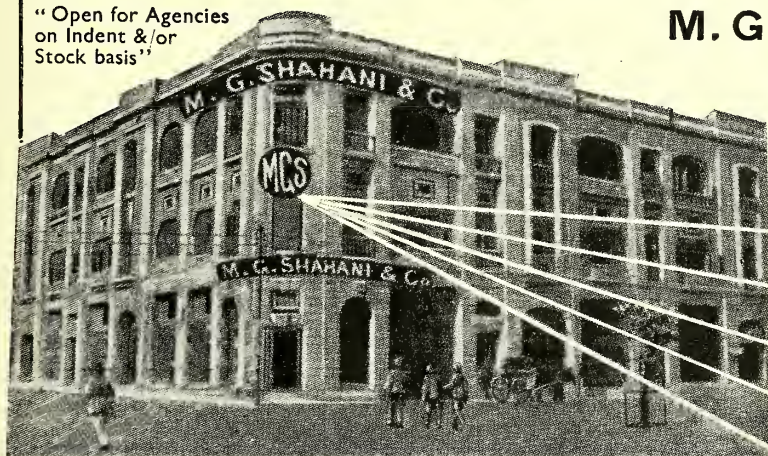


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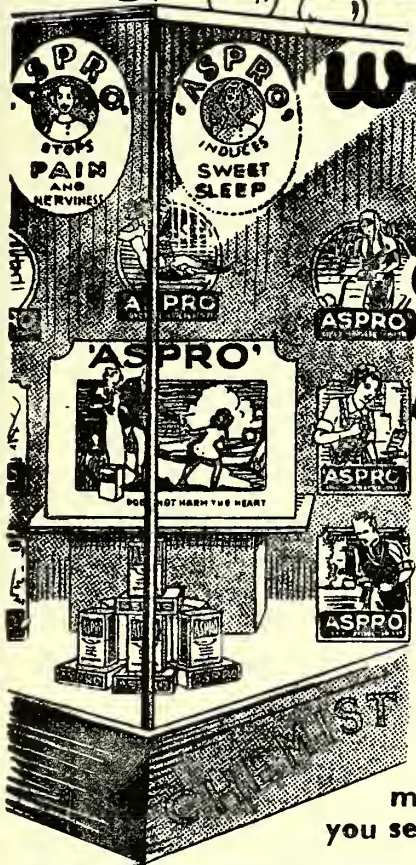
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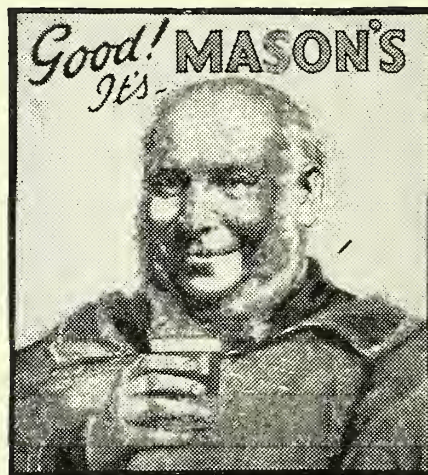
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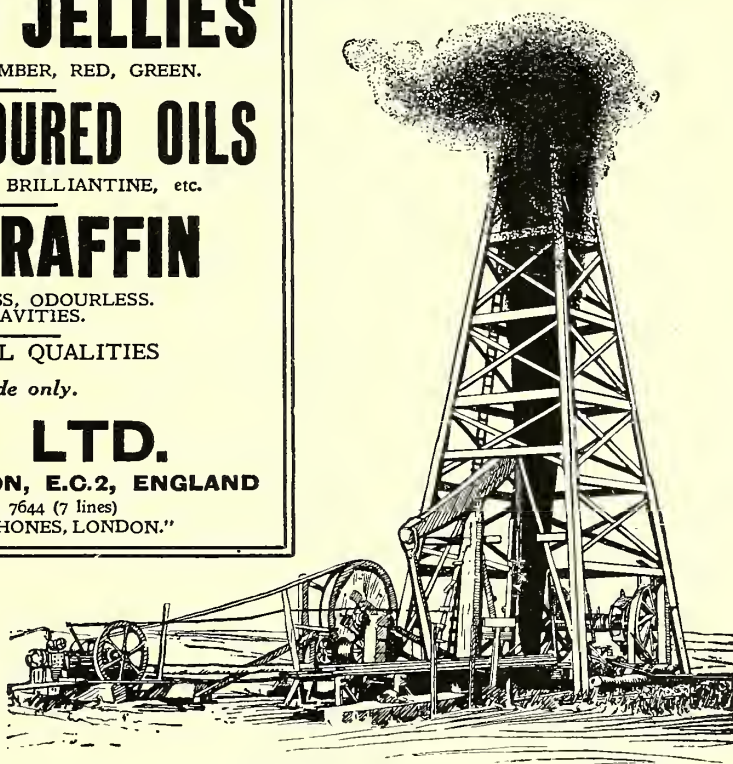
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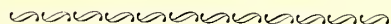
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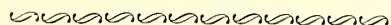
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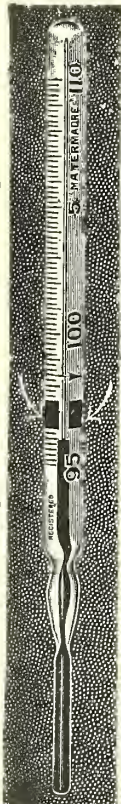
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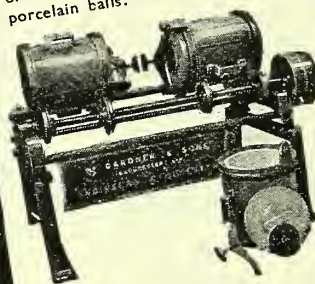
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28 ESSEX STREET, LONDON, W.C.2

JULY 11,
1936

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ENGLISH Manufacturers of Tablets and other Medicaments are open to grant Agencies throughout the world. Write "L. T.," c/o Streets, 6 Gracechurch Street, E.C.3.

NOTICE.

MR. B. DAVIES, late of Heatherlea Road, Southbourne, Bournemouth, lately employed by us as a Probationer Sales Representative for Hampshire, Wiltshire, Dorset, Oxfordshire, Buckinghamshire and Berkshire, ceased to represent us in any capacity or to be authorised by us in any way on or from April 30, 1936. Newton, Chambers & Co., Ltd., Chemicals Department, Thorncliffe, Sheffield.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BARNES.—Manager (25 to 35) required for good-class Dispensing, Photographic and brisk Retail Business. Please state when free, also age, height, experience and salary required, to Feltwell & Sons, 90 Church Road, Barnes, S.W.13.

E. YORKS.—Vacancy occurs for Qualified Assistant; easy hours and work; would suit elderly male or recently Qualified; Lady not objected to; state wage and all particulars first letter; permanent post to suitable applicant. 37/40, Office of this Paper.

LONDON.—Locum (male), 2 or 3 months, Qualified preferred; Dispensing and Retail, wanted at once. Apply Garner & Pope, Ltd., 244 Haverstock Hill, N.W.3.

LONDON, E.—Qualified Assistant; middle-class trade and N.H.I. Dispensing; give full particulars of experience, names of references, when disengaged, age and salary required. Apply (letter only), "Pharmacist," 300 Amhurst Road, London, N.16.

LONDON, E.10.—Required at once, Qualified Lady; permanency; Dispensing and Counter; good prospects. Apply, stating age, salary required, references and photograph (returned if stamped addressed envelope enclosed), 35/1, Office of this Paper.

LONDON, S.W.—Unqualified Assistant, accustomed to a high-class business; good Dispenser and Counterman. Apply, giving full particulars, salary, etc., to 37/25, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, July 25 or soon after, Qualified or Unqualified Male Assistant (under 30 years); used to quick Counter and N.H.I.; permanent if suitable. Apply, giving age, salary expected and full particulars, to 38/4, Office of this Paper.

NEAR MANCHESTER.—Locum required, Qualified; August 29 to September 12. Apply McKinlay, Chemist, Glossop.

NORTH LONDON.—Qualified, lady or gent.; permanency; middle-class trade and N.H.I. Dispensing; please give full particulars and salary required. "Chemist," 1 South Street, Islington, N.1.

ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON.

LOCUM (Male, Qualified).—Pharmacist required for three weeks, commencing July 20.

Salary £5 10s. per week, with lunch.

Apply immediately by letter to the undersigned (or by phone to the Chief Pharmacist, Brighton 4251).

L. L. W. LANCASTER-GAYE,
Secretary-Superintendent.

ROYAL WATERLOO HOSPITAL, Waterloo Road, S.E.1.—Wanted immediately, 9 weeks, commencing July 13, Male Assistant, Qualified, as locum; no late or week-end duty; 9.30-5.0 p.m.; salary 4 guineas. Apply Pharmacist.

SOUTH COAST.—Good Manager required, married, for High-class Dispensing and Family Business; excellent accommodation. Full particulars, age, height, experience and salary expected, 283/278, Office of this Paper.

SOUTH COAST.—Junior Assistant (male), with Dispensing experience, wanted for good-class business; permanency. Full particulars to Witchell, 1 Brighton Road, Worthing. Applications unanswered in four days declined with thanks.

SOUTH-EAST COAST.—Qualified Lady Assistant (M.P.S.) wanted to commence duties at once. Apply, with usual particulars, to 37/42, Office of this Paper.

SOUTH OF ENGLAND.—New branches are being opened in the South by Timothy Whites & Taylors, who will require several First-class Managers of sound ability and experience; good salaries, commission and permanencies to the right men. Apply, giving full particulars, to Retail Staff Manager, Timothy Whites & Taylors, Chemists, Portsmouth.

STAINES DISTRICT.—Wanted, Junior, for Counter and some Dispensing; high-class Pharmacy; all particulars as to experience, references and salary expected in first communication. 283/288, Office of this Paper.

WALSALL, Birmingham.—Qualified Branch Superintendents wanted (3) immediately; permanencies. Also several Unqualified Assistants, either sex; good prospects with progressive firm; send fullest particulars first letter; photo, to be returned. 30/50, Office of this Paper.

A PRIVATE Company require the services of a Qualified Chemist; retired, elderly gentleman preferred; comfortable position, chiefly Dispensing, in modern Pharmacy. Kindly state salary required, to be moderate, and full particulars to 283/287, Office of this Paper.

A YOUNG, Qualified Manager wanted for Suburban business. Write or phone for appointment, Bishopsgate 9033. P.C.B. 211/3, Office of this Paper.

A N Unusual Opening occurs in London Retail Shop for Qualified (either sex); applicant has no Dispensing to do, but Superintends generally; no Sunday work; must have excellent reference; used to busy Counter and capable of control; send full particulars first letter, also photo if possible. 38/5, Office of this Paper.

A T ONCE.—Young Qualified Assistant for Counter and Dispensing. Apply, with full particulars, by letter only, to Henry Cooper & Co., Ltd., 24 Greek Street, Soho Square, London, W.1.

A SSISTANT, Unqualified, either sex, wanted for August 3 to August 15. Please apply A. Williams, 53 Moreton Street, Pimlico.

C HEMIST and Optician, Qualified; to manage business in South Wales. Apply Davies Bros., Chemists and Opticians, Porth.

E XPERIENCED Unqualified Assistant (24-30) required; single; permanency; quick and accurate Dispenser essential. Reply, giving particulars of experience, age, height, salary required, when free, to Morgan, Chemist, 75 Woodbridge Road, Guildford.

J UNIOR Assistant (male), Unqualified, required early for Dispensing and Counter. Apply in first instance by letter, giving full particulars and salary required, to Alfred Allchin & Co., 28 England's Lane, N.W.3.

J UNIOR Assistant or Improver required at once for High-class Dispensing and Family Business. State age, experience, etc., photo if possible, to S. A. Sheard, Chemist, 9 Leeds Road, Harrogate.

J UNIOR Assistant required, either sex, with Dispensing experience, for one month from July 20 to August 1; state age and salary required. J. Dobson, Chemist, 235 High Street, Hounslow, Middlesex.

L ADY Assistant required for Worthing, Unqualified; experienced Dispensing, knowledge of Photography (sales) and high-class Toilets; state salary and full particulars; photo; must have good Counter personality; immediate if possible. 37/24, Office of this Paper.

L ADY CHEMISTS, LTD., require Qualified Manageress for their Edgware branch; must be keen and energetic. Full particulars and salary required to Lady Chemists, Ltd., Mill Hill. Qualified Locum also required at once.

L OCUM.—Qualified Gentleman required for August 24 to September 5. Particulars, age, experience, salary required, etc., to P. Robson, 46 Green Lane, Northwood, Middlesex.

L OCUM, Qualified; working-class, Manchester; August 3 to 15 inclusive; suit elderly man. Lowest terms to Tomlinsons (Manchester) Ltd., 21 and 23 Embden Street, C.-on-M., Manchester, 15.

L OCUM.—Unqualified Junior required for two weeks, commencing July 13-25. John, Chemist, 118 Cowley Road, Uxbridge, Middlesex.

L OCUM.—Unqualified Male Assistant (young) wanted for month of August; used to quick trade. Also young Qualified Assistant required for August 24 until September 5. Apply Berry, 96 Craven Park Road, Harlesden, N.W.10.

M ANAGER for East London, main-road business; commencing salary £4. Particulars to 283/285, Office of this Paper.

Q UALIFIED Assistant; easy hours; Counter and Dispensing; full particulars; interview if convenient. Briggs, Chemists, 585 Lea Bridge Road, Leyton, London.

Q UALIFIED Assistant or Manager required, mainly light duties, S. Wales Coast; age and experience immaterial; permanency; state salary required; applications unanswered within 4 days respectfully declined. 37/7, Office of this Paper.

Q UALIFIED Assistant required at once for West Riding business; must be capable Counterman and Dispenser for N.H.I. State age, wages and experience, photo if possible, to S. A. Sheard, M.P.S., 14 South Queen Street, Morley.

Q UALIFIED Assistant wanted at once; must be good Counterman. Full particulars as to age, height, experience, references, salary, to Venables, Chemist, 260 Upper Tooting Road, S.W.17, or phone Streatham 2443.

Q UALIFIED Assistant (25-30) required for good-class Pharmacy in S.W. London; permanency. Write, stating age, salary required, etc., to 30/55, Office of this Paper.

Q UALIFIED Chemist for small branch; suit recently Qualified or elderly. References and salary to Carr, Chemist, 58 High Street, Cleethorpes.

Q UALIFIED Chemist wanted; able to take charge of branch (Harrow Road); good prospects for capable man. Apply Amblins (Chemists), Ltd., 319 Edgware Road.

Q UALIFIED Lady Assistant required; smart appearance and alertness most essential; interview desired; no Sunday duty. Modern Chemists Ltd., 231 Westminster Bridge Road, S.E.1 (opposite County Hall). Phone: Waterloo 4445.

Q UALIFIED Lady required for small Pharmacy, London, S.E.; please state age and salary required; live in. 37/53, Office of this Paper.

Q UALIFIED Lady wanted for small branch business in North London; to commence August 1. Write Beck, 60 High Street, Stoke Newington, N.16.

Q UALIFIED; locum or permanency required. State usual particulars to Tile Hill Pharmacy, Tile Hill Lane, Coventry.

Q UALIFIED Locum required for two weeks in August or early September. Particulars, references and terms to Taylor's Pharmacy, Ltd., Showell Circus, Wolverhampton.

Q UALIFIED Manager, young, capable, to take charge of medium-class branch; with view to succession considered; particulars of experience, age and salary required, in writing. 30 Stafford Road, Waddon, Surrey.

Q UALIFIED Relief Assistant required immediately for two weeks commencing July 13. Apply to C. R. Jones, 182 King's Road, Chelsea.

Q UALIFIED Young Lady Assistant required, good-class Family Dispensing and Photographic business, Hammersmith district; good opportunity for suitable applicant to gain all-round experience. Write, stating age, experience and salary required, 37/32, Office of this Paper.

R EQUIRED immediately, 2 Elderly Qualified Pharmacists; easy hours; moderate salary; S.W.17 and E.15 districts. 283/289, Office of this Paper.

U NQUALIFIED Assistant (at least 30) for City Business; must be smart, good Salesman. Send particulars to 283/286, Office of this Paper.

U NQUALIFIED Assistant wanted as soon as possible; permanent progressive position for capable man; must be quick and reliable Dispenser. Wilson, 741 Barking Road, Plaistow, E.13.

U NQUALIFIED Assistant wanted for short season in small seaside town; must be smart Counterhand, with good knowledge of Photography. Apply, with full particulars, stating salary required, to Kirkland, New Romney.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

UNQUALIFIED Junior required immediately for season; must be good at D. & P. work and Salesmanship. Apply, with references and salary required, to F. de Lisle, Old Pier Street, Walton-on-Naze, Essex. Applications not answered in 7 days declined.

WANTED early August, Pharmacist as Managing Assistant in small country business; nice house and large garden available and included in salary, about £4 weekly net; easy hours; no Sunday duty. 283/281, Office of this Paper.

WANTED.—Evening Assistant; tall; Dispensing and Counter; Friday and Saturday evenings certain. Horsley and Co., 274 Portobello Road, W.10.

WANTED for immediate engagement, Qualified Assistant for good-class business, with Photographics; applicant must be a good Salesman, courteous in manner, and thoroughly competent and trustworthy. Kindly state full particulars, age, height, salary required, previous experience, etc., and enclose photo (returnable) to D. T. Evans, Ltd., Chemists and Opticians, Margate.

WANTED, for two weeks or two periods of one week, Qualified Locum (lady); Dispensing and light Retail; between August 1 and September 13; terms and references; London. 36/18, Office of this Paper.

WANTED immediately, Qualified Lady Assistant, with good Counter and Dispensing experience. Apply with usual particulars to R. P. Bristow, Ltd., 17 Oxford Street, High Wycombe.

WANTED, Lady Assistant for Drug and Dispensing Department (Qualified or Unqualified). Apply, stating age, wage and experience, and enclosing copies of testimonials, by first post Tuesday, July 14, to Secretary, Horbury Industrial Co-operative Society, Ltd., High Street, Horbury, Yorks. Endorse applications "Drugs."

WANTED, Locum, Qualified, for one week, July 20-25 inclusive. Terms and references, Findlay, Oakleigh Pharmacy, Hillingdon Heath, nr. Uxbridge, Middlesex.

WANTED.—Young Assistant, Unqualified; in a small market town, North Yorkshire. Apply, giving age, full particulars of experience, references and salary required, 36/13, Office of this Paper.

YOUNG Lady, Qualified, with first-class experience, including Toilet Goods, required for important position, September, London; all applications treated as strictly confidential. "A.", 283/280, Office of this Paper.

WHOLESALE.

GLAXO LABORATORIES, LTD. MEDICAL REPRESENTATIVE.

AN Additional Representative will be shortly appointed in the Home Market, and applications are invited from Male Qualified Pharmacists who have had good Retail experience. The position, which is progressive, calls for intelligence, industry and enthusiasm as well as the ability to sell to Professional and Trade Customers; previous representative experience is not, however, essential. Candidates, who must be between the ages of 25 and 30, and preferably single, should submit in confidence by letter only full details of their education and business career as well as the usual personal information, including height, to the Representative Staff Manager, Glaxo Laboratories Ltd., Greenford, Middlesex. Copies of testimonials must not be sent in the first instance.

MEDICAL Propaganda Representative required for West End of London; write, giving particulars of experience, age, height and qualifications; knowledge of Glandular Products an advantage. 282/250, Office of this Paper.

MEDICAL PROPAGANDA.—Three experienced Representatives are required; resident in London, Bristol and Leeds; duties to commence in September; this detail work embraces well-known Proprietaries; applicants should state age, experience and salary required. 36/1, Office of this Paper.

OLD-ESTABLISHED FIRM of Surgical Dressing Manufacturers require sole Representative for the sale of their products in Scotland. Reply, giving full particulars, to 283/279, Office of this Paper.

OLD-ESTABLISHED Manufacturer requires services of an Agent to carry Powder Puffs as sideline; London Suburbs, West of England, and Scotland; Chemists, Hairdressers and Stores; guaranteed accounts only; medium- to high-class trade; generous commission; references and experience essential. Apply 36/20, Office of this Paper.

PERFUMERY.—Zenobia, Ltd., Loughborough, Leics., require the services of a first-class Representative to cover the whole of Scotland; applicants must produce highest credentials regarding their sales ability, knowledge and experience of the Perfumery Trade, and also give three references regarding their character and integrity; applicants should state whether or not they own their own car, age and salary desired; please give fullest particulars in first letter.

POWDER PUFFS AND SPONGE BAGS.—Agent calling best to medium Retail trade; large range; commission only, but active connection handed over. 36/23, Office of this Paper.

WANTED by Wholesale Druggists, young, energetic Qualified Man for position of management in Warehouse and small staff; salary to commence with £250; preference given to someone with capital available with a view to acquiring the business in the future. 283/282, Office of this Paper.

4 PART-TIME Representatives (own car) required for nationally advertised brand Beauty Aids; applicants must have established connections Hairdressers, Chemists, Stores; high rate commission and every support given to live men. Write fullest particulars Box T/108, Knights, 55 Chancery Lane, W.C.2.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.—**UNQUALIFIED** (28); 3 years' West End experience; competent Dispenser, Salesman, Photographics; also Veterinary experience; expert Window-dresser; highest references; London or South Wales preferred. Jenkins, 162 Colum Road, Cardiff.

A.A.—**LOCUM** (43), Unregistered; excellent all-round experience; free July 13 onwards. Rigley, 19 Edenhurst Avenue, S.W.6.

ASSISTANT; Dispenser and Counterman; Photography; active, single, elderly, Unqualified; moderate salary. "Statim," 42 Fenton Road, Lockwood, Huddersfield.

HOSPITAL Locum (38), Qualified woman; free August 3-15 inclusive, after September 26. "Pharmacist," 35 Sackville Gardens, Ilford, Essex.

LADY Dispenser (Hall) seeks post. Miss Dorothy Lawrence, "Resthaven," South Hill, Langdon Hills, Laindon, Essex.

LADY, "Hall," seeks post with Doctor; absolutely trustworthy; highest possible references; disengaged in one month. 37/47, Office of this Paper.

LOCUM, Qualified; experienced, trustworthy; disengaged August 3 to 8 and from September 14. Harris, 322 Ripple Road, Barking, Essex.

LOCUM (29), Qualified; free July 20 to 25 inclusive; Sussex or Surrey only. "Locum," 2 Market Square, Waltham Abbey, Essex.

LOCUM (44; height 5 ft. 8 in.); Unqualified; Counter, Dispensing; take charge; abstainer; well recommended; now disengaged. Mack, 18 Aycliffe Road, W.12.

M.P.S. (37), bachelor, competent, trustworthy, experienced, ex-proprietor, desires engagement as Manager, Assistant or Superintendent; South preferred; free August 1; moderate salary for suitable position. 37/26, Office of this Paper.

PART OR FULL TIME.—Lady Assistant Dispenser seeks post; Hall qualification; experienced; Brighton or near. 8 Prestonville Road, Brighton.

PERMANENCY or locums till suited; experienced, energetic Assistant (45); tall; Unqualified; keen Salesman, quick Dispenser, Photo, Windows, Agricultural, etc.; conscientious and trustworthy; disengaged. Haigh, 25 Hetley Road, Shepherd's Bush, W.12.

QUALIFIED Experienced Manager (35) desires permanency, with or without living accommodation; all-round experience; highest references. 36/4, Office of this Paper.

QUALIFIED (36), tall, married, 12 years' management experience, seeks progressive permanency, preferably Branch Manager; free after August 1. Benson, 62 Northcote Road, Battersea, S.W.11.

SEPTEMBER.—Assistant (26); tall; efficient Counterman, Dispenser and Window-dresser, Prescribing; quick, clean and accurate; desires permanency in good-class Pharmacy; London or suburbs; not afraid of work. Write "Chemist Friend," 77 Woodberry Avenue, N.21.

UNQUALIFIED Assistant (21); good experience in Counter; reliable Dispenser; situation locally preferred. P. Clarke, 51 North Street, Romford, Essex.

YOUNG Lady Assistant, Unqualified, seeks situation in London. Central preferred; salary £2; excellent references; interview any time. P.C.B. 210/39, Office of this Paper.

WHOLESALE.

A.—MEDICAL Propagandist and expert successful Trade Salesman; valuable connection in Scotland; disengaged. "Progressive," 26 Shendwick Place, Edinburgh.

A PHARMACEUTICAL Chemist (29), Scot, with exceptionally good references, seeks opening with scope for advancement in Works, Laboratory or Hospital; proceeding to A.I.C.; keen and loyal. Box No. D.426, "Efficiency Magazine," 87 Regent Street, London, W.1.

A THOROUGHLY experienced and reliable Representative; very strong connection whole of London, Chemists, Hairdressers and Stores; exceptional credentials; own car. 30/31, Office of this Paper.

A DVERTISER desires Representative or responsible Inside Post; very good references; thorough knowledge Retail Pharmacy; recent road experience (ref. Sales Manager, Smith & Co., The Borough. Phone: Hop 0707); available now; car. "F. J. M." 57 Huxley Road, Welting.

A N Accomplished Medical Interviewer and skilled Propagandist, with wide experience and a unique knowledge of Medical Men, their requirements and susceptibilities, desires re-engagement. "A." 21 Gloucester Place, Brighton.

E XPERIENCED Representative (39), resident Bournemouth, desires position with well-known Proprietary, Drug or Toilet House; excellent connexion Home, Southern and Western Counties; own car; salary, expenses. 37/2, Office of this Paper.

E XPERIENCED Traveller of highest integrity (M.P.S., F.B.O.A. (Hons.)), desires represent really good house (Drug and Sundries), Commission basis; Perth to Thurso (own car), with Aberdeen as centre, where have stockroom and staff; bankers' refs. State commission. 282/252, Office of this Paper.

L ADY (33), Qualified, seeks post, not Retail; conscientious worker; Wholesale, Institution, Propaganda; Yorkshire preferred. 36/8, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

M AN, Unqualified, desires position in Manufacturing Chemists; 10 years' experience with Wholesale House; Manufacture of Tinctures, Extracts, Resins, etc.; excellent references. P.C.B. 210/27, Office of this Paper.

P HARMACIST, at present engaged in own successful Retail Business, shortly desires Outside Representation for a house of repute in any sphere connected with Retail Chemist's Business; 27 years' experience of Retail trading. 36/21, Office of this Paper.

PROFESSIONAL/TRADE PROPAGANDA, SALES.—Doctors, Chemists, Licensed Traders; car; long experience; salary and expenses. "Boaz," General Gordon Hotel, Weymouth.

YOUNG Gent (27), now in Retail, desires position with firm of repute, preferably as Representative, own car; Midland connection; 10 years' excellent experience; would consider taking financial interest. 39/2, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

QUALIFIED (38), single, speaking Italian, Spanish, Portuguese, French, desires charge, abroad or West End, Representative or Manager. 283/277, Office of this Paper.

FOR SALE.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

(Articles to the value of £5-£50.)

C ASH REGISTER.—Latest "National" type; prints sales; gives total; as new; bargain. Write P. Lake, 735 High Road, E.11.

10-FOOT Run of Mahogany-fronted Drawers, with cornice and shelvings above; Few Dozen Shop Rounds; Avery's Counter Scales; £7 only asked. Apply Edwards, Chemist, Holme-on-Spalding Moor, York.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A. BERNARD SLACK has written for benefit of Chemists and their friends a short article headed "*Why you should convert your business into a private limited company*," and cost. Write for a free copy, study it and be wise and act on free advice given. 721 Princess Road, West Didsbury, Manchester.

B RINGTON, SUSSEX.—Owner retiring July 25 wishes to dispose of fixtures and fittings suitable for small double-fronted shop, remainder of stock, Cameras and Films; first reasonable offer accepted. Apply Madeira Drug Stores, 8 Madeira Drive.

C HEMISTS' FITTINGS.—New and Second-hand Drug Runs, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shopfitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

£78.—BARGAIN in Shop-soiled Mahogany Fittings, comprising 10-ft. Drug Fitting, 6-ft. Wall Case, 10-ft. Glass-fronted Counter, 6-ft. Dispensing Screen, Counter Drawers. PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Telephone: Clerk. 4111/2. "Pharmacy Fitters for over a Century."

£9—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showrooms a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting, Signs and Modern Interior Fittings. Apply for Lists, D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

EXCHANGE COLUMN.

2d. per word, minimum 2s. (Box No., 1s. extra.)

FOR DISPOSAL.

(Articles up to the value of £5.)

STOCK, Labels, Cartons, Bottles; new condition. Particulars, 67 Netherfield Road S., Liverpool.

WANTED.

"CHEMIST AND DRUGGIST" Title Page and Index, January to June, Volume 122, 1935; urgent. G. E. Stechert & Co., 2 Star Yard, London, W.C.2.

BINOCULARS wanted; any condition; second-hand or shop soiled; cash or offer by return. J. R. Hebditch, F.S.M.C., F.I.O., M.P.S., 44 Hallgate, Doncaster.

DISPENSING Screen. Particulars, 38/6, Office of this Paper.

SEVEN copies each "Chemist and Druggist" from February 29 to June 13, 1936; urgent. G. E. Stechert & Co., 2 Star Yard, Carey Street, W.C.2.

SHOP Fittings and Carboys wanted; second hand. Chamberlain, 30 Thornhill Square, N.1.

THE SUPPLY OF SUPPLEMENTS

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Wrappers (not more than six at a time)

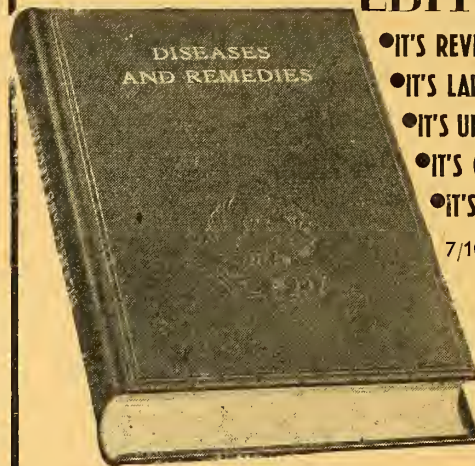
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Supplement will be forwarded without cost.

LOOSE STAMPS WILL NOT BE ACCEPTED

If wrappers bear a halfpenny stamp only, Postal delivery may be delayed.

New 1936 EDITION



- IT'S REVISED
- IT'S LARGER
- IT'S UP TO DATE
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- IT'S ONLY 7/6

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The chemist's complete guide to medicine as practised today

Revised and brought up to date, "Diseases and Remedies" provides a host of formulas which are in accordance with foremost medical opinion. Reference is made easy and rapid by the alphabetical arrangement of diseases. Remedies and treatments are thus promptly found. The age-old right of chemists to "counter-prescribe" is preserved to them under Section 19 (1) (c) of the Pharmacy and Poisons Act, 1933. "Diseases and Remedies" is invaluable in this connexion. It is equally indispensable to the chemist who wishes to keep abreast of modern tendencies and opinion in medicine.

This Book is unique and provides in handy form the information you require. Supplies will be ready in July and orders will be executed in strict rotation.



There is a heavy demand. Make sure of your copy by filling in the order form below

To THE PUBLISHER,
THE CHEMIST AND DRUGGIST,
28 Essex Street, Strand, London, W.C.2

Name.....

Address.....

Affix your Slip
Label here

Please send to me copy/copies of
"DISEASES AND REMEDIES"
for which I enclose remittance value 7/10 each

THE CHEMIST AND DRUGGIST
28 ESSEX STREET, STRAND, LONDON, W.C.2

HATS OFF! to the **tempting twelve million!**

Your brush at your price.
With a transparent wrapping that means no one else has been near. With a gay handle that shouts "I'm yours!" in the bathroom.

HALEX
the bristles stand up!

Halex Toothbrushes—6d. to 2/-, nine different shapes in all; Halex Dental Plate Brush in six colours—2/6; Halex Shaving Brush—Pure bristle 3/-; Pure badger 12/6; 15/-; Ladies' Pneumatic Hairbrush 12/6; Men's Military Hairbrush 10/6. Halex is the Registered Trade Mark of THE BRITISH XYLONITE CO. LIMITED, HALE-END, E.4.

12,595,755 readers are being tempted by the Halex advertising. That's the circulation of the 1936 campaign★ with its forceful, vigorous appeal. So it's hardly surprising that Halex is the toothbrush of the year. See to it that you get your full share of the profits. A good tip is to keep the Halex show-stand prominently on your counter. It reminds people of the advertisements, it tempts them to feel the brushes (through their sealed transparent envelopes)—it all but draws the shillings out of purses and pockets!

★ All these papers carry Halex advertising in 1936:

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Daily Sketch
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Woman and Home

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Issued only to Qualified Chemists or Students.

An Ayrton "Opening Order" is never top-heavy, nor ballasted. It is not an alphabetical list of names and house-proprietaries, but a quantitative plan based on the capital available, and on our past experience and a knowledge of current practice. "A New Pharmacy" cuts out the intense labour of preparing the first order. The page is 10 x 8 ins., printed on one side only, and where it is helpful a reference is made to illustration numbers in our General Price List.

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